

KENWOOD

SYSTEMS PRICE GUIDE

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Table of Contents:

Low Power

NXR-700

NXR-710

NXR-800

NXR-810

NXR-900

NXR-901

TKB-6900

TKR-740

TKR-840

TKR-750

TKR-850

TKR-751

TKR-851

KAS-10



UHF and VHF

TKR-750/751/850/851 and NXR-710/810

Low Power Base Stations and Repeaters

BASE STATION		EPL	LIST
TKB7500PS	Low Power Base Station, 146-174MHz (TKR-750K, KSGPS20200)	1,359.75	1,813.00
TKB7510PS	Low Power Base Station, 146-174MHz (TKR-751K, KSGPS20200)	1,228.50	1,638.00
TKB8500PS	Low Power Base Station, 450-480MHz (TKR-850K, KSGPS20200)	1,438.50	1,918.00
TKB8510PS	Low Power Base Station, 450-480MHz (TKR-851K, KSGPS20200)	1,307.25	1,743.00
NXB7100PS	Low Power Base Station, 136-174MHz (NXR-710K, KSGPS20200)	1,803.75	2,405.00
NXB8101PS	Low Power Base Station, 450-520MHz (NXR-810K, KSGPS20200)	1,803.75	2,405.00
NXB8102PS	Low Power Base Station, 400-470MHz (NXR-810K2, KSGPS20200)	1,803.75	2,405.00
REPEATER STATION		EPL	LIST
TKR7500PS	Low Power Repeater Station, 146-174MHz (TKR-750K, KSGPS20200)	1,359.75	1,813.00
TKR7510PS	Low Power Repeater Station, 146-174MHz (TKR-751K, KSGPS20200)	1,228.50	1,638.00
TKR8500PS	Low Power Repeater Station, 450-480MHz (TKR-850K, KSGPS20200)	1,438.50	1,918.00
TKR8510PS	Low Power Repeater Station, 450-480MHz (TKR-851K, KSGPS20200)	1,307.25	1,743.00
NXR7100PS	Low Power Repeater Station, 136-174MHz (NXR-710K, KSGPS20200)	1,803.75	2,405.00
NXR8101PS	Low Power Repeater Station, 450-520MHz (NXR-810K, KSGPS20200)	1,803.75	2,405.00
NXR8102PS	Low Power Repeater Station, 400-470MHz (NXR-810K2, KSGPS20200)	1,803.75	2,405.00
REPEATER STATION WITH DUPLEXER		EPL	LIST
Note: Duplexers are not available for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with a 5MHz split between TX and RX, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be available by special order (non-returnable and non-refundable). Pricing for special order duplexers may be higher.			
TKR7500PSD	Low Power Repeater Station with Duplexer, 148-160MHz (TKR-750K, KSGPS20200, KSGDX62001, KSGCB20008, KSGCB20010)	1,881.00	2,508.00
TKR7510PSD	Low Power Repeater Station with Duplexer, 148-160MHz (TKR-751K, KSGPS20200, KSGDX62001, KSGCB20008, KSGCB20010)	1,749.75	2,333.00
TKR8500PSD	Low Power Repeater Station with Duplexer, 450-460MHz (TKR-850K, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	1,959.75	2,613.00
TKR8510PSD	Low Power Repeater Station with Duplexer, 450-460MHz (TKR-851K, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	1,828.50	2,438.00
NXR7100PSD	Low Power Repeater Station with Duplexer, 148-160MHz (NXR-710K, KSGPS20200, KSGDX62001, KSGCB20008, KSGCB20010)	2,325.00	3,100.00
NXR8101PSD	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	2,325.00	3,100.00
NXR8102PSD	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K2, KSGPS20200, KSGDX63002, KSGCB20008, KSGCB20010)	2,325.00	3,100.00
REPEATER STATION WITH CONVENTIONAL IP NETWORK FUNCTIONALITY		EPL	LIST
NXR7100PSI	Low Power Repeater Station, 136-174MHz (NXR-710K, KSGPS20200, KTI-3M)	2,002.50	2,670.00
NXR8101PSI	Low Power Repeater Station, 450-520MHz (NXR-810K, KSGPS20200, KTI-3M)	2,002.50	2,670.00
NXR8102PSI	Low Power Repeater Station, 400-470MHz (NXR-810K2, KSGPS20200, KTI-3M)	2,002.50	2,670.00

Programming Cost: \$75.00 Installation Cost: \$250.00

REPEATER STATION WITH DUPLEXER AND IP NETWORK FUNCTIONALITY

Note: Duplexers are not available for all frequencies. The default range of duplexers are between 148-160 MHz (VHF) with a 5MHz split between TX and RX, and, and between 450-460MHz (UHF). Other frequencies or VHF band splits may be available by special order (non-returnable and non-refundable). Pricing for special order duplexers may be higher. Duplexer and KTI-3M are mounted inside the Repeater; a separate Rack-Mount Power Supply is provided.

EPL LIST

NXR7100PSDI	Low Power Repeater Station with Duplexer, 148-160MHz (NXR-710K, KSGPS20201, KSGDX62001, KTI-3M, KSGCB20008, KSGCB20010)	2,655.00	3,540.00
NXR8101PSDI	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K, KSGPS20201, KSGDX63002, KTI-3M, KSGCB20008, KSGCB20010)	2,655.00	3,540.00
NXR8102PSDI	Low Power Repeater Station with Duplexer, 450-460MHz (NXR-810K2, KSGPS20201, KSGDX63002, KTI-3M, KSGCB20008, KSGCB20010)	2,655.00	3,540.00

Programming Cost: \$75.00 Installation Cost: \$250.00**BASIC ACCESSORIES****EPL LIST**

KPG-46UM	Programming Cable	118.88	158.50
KPG-91DNK	Programming Software (TKR-750/751/850/851)	77.44	103.25
KPG-129DNK	Programming Software (NXR-710/810)	77.44	103.25
B51-8556-20	TKR-750 Service Manual	37.50	50.00
B51-8683-00	TKR-751 Service Manual	37.50	50.00
B51-8557-30	TRK-850 Service Manual	37.50	50.00
B51-8684-00	TRK-851 Service Manual	37.50	50.00
B51-8901-00	NXR-710 Service Manual	37.50	50.00
B51-8902-00	NXR-810 Service Manual	37.50	50.00
KMC-9C	Desktop Microphone	64.50	86.00
KSGMT30001	2RU Desktop Enclosure - 16" deep by 20.5" wide by 5" high	150.00	200.00
KSGMT30004	4RU Desktop Enclosure - 16" deep by 20.5" wide by 8.5" high	161.25	215.00

COMPONENTS**EPL LIST**

TKR-750K	Repeater, VHF, 146-174MHz, 25-50W	1,168.50	1,558.00
TKR-751K	Repeater, VHF, 146-174MHz, 25W	1,037.25	1,383.00
TKR-850K	Repeater, UHF, 450-480MHz 25-40W	1,247.25	1,663.00
TKR-851K	Repeater, UHF, 450-480MHz, 1-25W	1,116.00	1,488.00
NXR-710K	Repeater, Digital, VHF, 136-174MHz, 25-50W	1,612.50	2,150.00
NXR-810K	Repeater, Digital, UHF, 450-520MHz, 1-40W	1,612.50	2,150.00
NXR-810K2	Repeater, Digital, UHF, 400-470MHz, 1-40W	1,612.50	2,150.00
KSGPS20200	DC Switching Power Supply	191.25	255.00
KSGDX62001	Duplexer, VHF, 148-160MHz, 6 cavities, 4.5MHz sep, N-F	446.25	595.00
KSGDX63002	Duplexer, UHF, 440-470MHz, 6 cavities, 5MHz sep, N-F	446.25	595.00
KSGCB20008	Cable, 10" 90 deg N-M to 90 deg BNC-M, RG-142 coaxial	37.50	50.00
KSGCB20010	Cable, 10", 90 deg N-M to 90 deg N-M, RG-142 coaxial	37.50	50.00
KTI-3M	Network Interface Unit	198.75	265.00
KSGPS20201	Power Supply, 20A, no meter, RM-2512 w/BB6 & 8 place fuse	322.50	430.00

VHF High Band

NXR-700

High Performance Base Stations and Repeaters 136 - 174 MHz



GENERAL: NXR-700 VHF Base Stations and Repeaters are integrated systems. The NXR-700 repeater occupies 1 RU and may be used as a standalone 5W low-power station or with an external power amplifier. The NXR-700E is a 25W repeater that can be used either in local or low-power applications. The NXR-700 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, or in the digital mode at 12.5 KHz or 6.25 KHz. Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.

OPTIONS: Station options include external amplifiers with built-in T/R antenna switching for simplex operation, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. A high performance 6 cavity BpBr duplexer is also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 50W, 110W, 150W or 250W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details. Trunking options include enabling of the NXR-700 trunking feature, plus system management software that includes a master USB key & activation file, which hold a license ID unique to each system. This system manager software permits a system administrator to change critical features and permissions. Secondary, restricted-level service keys that manage less critical system parameters are also available. Each trunking system requires an Ethernet switch at each site. Routers are optional for a single-site system but required for multi-site systems. NOTE: Recommended models are listed herein, but most commercially available IP equipment is compatible as well.

NXR-700 REPEATER		EPL	LIST
NXR-700K	Repeater, Digital, VHF, 146-174MHz, 5W	3,999.75	5,333.00
NXR-700K2	Repeater, Digital, VHF, 136-154MHz, 5W	3,999.75	5,333.00
NXR-700E	Repeater, Digital, VHF, 146-174MHz, 25W	4,500.00	6,000.00

Programming Cost: \$100.00 Installation Cost: \$250.00

BANDWIDTH OPTION:		EPL	LIST
KXK-3M3	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator Note: Only one KXK-3M3 required per site for each 6.25KHz operation.	2,499.75	3,333.00

BASIC ACCESSORIES		EPL	LIST
KSGCB60004	NXR-Series Programming Cable	18.75	25.00
KPG-109DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
B51-8794-00	NXR-700 Service Manual	37.50	50.00
B51-8826-00	NXR-700 Supplement Manual	37.50	50.00

RF BASE STATION AMPLIFIER OPTIONS (K and K2 Models)		EPL	LIST
Note: Includes Two Cables for Radio Connectivity			
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22400	136-144MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22430	162-174MHz, 3W Input, 55-110W Output	1,878.78	2,505.00
KSGPA22451	136-144MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22454	162-174MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22258	152-162MHz, 3W Input, 250W Output	3,450.00	4,600.00

RF BASE AMPLIFIER OPTIONS (E Model)		EPL	LIST
Note: Includes Two Cables for Radio Connectivity			
KSGPA22523	136-174MHz, 25W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22510	144-152MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	2,790.00	3,720.00
RF REPEATER STATION AMPLIFIER OPTIONS (K and K2 Models)		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22411	136-144MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22441	136-144MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	3,045.00	4,060.00
RF REPEATER AMPLIFIER OPTIONS (E Model)		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	2,295.00	3,060.00
POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00

WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00

ETHERNET SWITCH & ROUTER OPTIONS		EPL	LIST
Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required <u>in addition to</u> and in conjunction with network switch equipment. Multicast Router options are also available.			
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	281.25	375.00

INTERNAL TRUNKING AND NETWORKING OPTIONS		EPL	LIST
KSGPG91800	Repeater Trunking Feature Note: One Feature required for each trunking repeater.	1,125.00	1,500.00
KSGPG91810	Multi-Site Networking Feature Note: One required for each of the first five sites to be networked; sites 6 through 16 are available at no additional charge.	8,750.25	11,667.00
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	437.25	583.00
KPG-110SMK	System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key..	344.25	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	125.25	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	125.25	167.00

USB KEY FUNCTION OR CAPABILITY	GRADE-1 (BLUE)	GRADE-2 (YELLOW)
PROGRAM GENERAL SYSTEM PARAMETERS	√	√
ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	√	√
ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES	√	
ADD NEW REPEATER CHANNEL(S)	√	
SWAP OUT SPARE REPEATERS	√	
CONSTRUCT OR ADD NEW SITES	√	

EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00

MISC STATION OPTIONS		EPL	LIST
KSGDX12556	6 Cavity VHF BpBr Duplexer Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00

MISC STATION OPTIONS		EPL	LIST
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable, 54", DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories.	37.50	50.00

VHF High Band

NXR-710

High Performance Base Stations and Repeaters, 136-174 MHz



GENERAL: The NXR-710 repeater occupies 2 RU and may be used as a standalone 25 W continuous or 50W intermittent duty station or in conjunction with an external power amplifier. The NXR-710 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz.

OPTIONS: Station options include external amplifiers with built-in T/R antenna switching for simplex operation, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. A high performance 6 cavity BpBr duplexer is also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 50W, 110W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

NXR-710 REPEATER		EPL	LIST
NXR-710K	Repeater, Digital, VHF, 136-174MHz, 25-50W	1,612.50	2,150.00

Programming Cost: \$100.00 Installation Cost: \$250.00

BASIC ACCESSORIES		EPL	LIST
KSGCB60004	NXR-Series Programming Cable	18.75	25.00
KPG-129DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
B51-8901-00	NXR-710 Service Manual	37.50	50.00
KTI-3M	Network Interface Unit - Required for Conv. IP Networking Functionality	198.75	265.00
KWD-NX10VTR	Voting System Option	375.00	500.00

RF BASE STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes Two Cables for Radio Connectivity and an Internal Antenna Relay			
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22400	136-144MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	1,878.00	2,505.00
KSGPA22430	162-174MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22451	136-144MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22454	162-174MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22258	152-162MHz, 3W Input, 250W Output	3,450.00	4,600.00
KSGPA22523	136-174MHz, 25W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22500	136-144MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22510	144-152MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22551	136-144MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	2,790.00	3,720.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22411	136-144MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	1,620.00	2,160.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22441	136-144MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	3,045.00	4,060.00
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22511	136-144MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22541	136-144MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	2,295.00	3,060.00
POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.00	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	690.00	920.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	705.00	940.00

ETHERNET SWITCH & ROUTER OPTIONS		EPL	LIST
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	281.25	375.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00
MISC STATION OPTIONS		EPL	LIST
KSGDX12556	6 Cavity VHF BpBr Duplexer Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.95	885.00
KSGMS10010	Relay, Antenna, x10 Series, 50W	255.00	340.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mo	615.00	820.00
KSGBCDCASE	Case, Tone Term Panel	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable, 54", DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories.	37.50	50.00

UHF**NXR-800****High Performance Base Stations and Repeaters 400 - 512 MHz**

GENERAL: NXR-800 UHF Base Stations and Repeaters are integrated systems. The NXR-800 repeater occupies 1 RU and may be used as a standalone 5W low-power station or with an external power amplifier. The NXR-800 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz. Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.

OPTIONS: Station options include external amplifiers with built-in T/R antenna switching for simplex operation, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. High performance 4 and 6 cavity BpBr duplexers are also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details. Required trunking options include enabling of the NXR-800 trunking feature, plus system management software that includes a master USB key & activation file, which hold a license ID unique to each system. This system manager software permits a system administrator to change critical features and permissions. Secondary, restricted-level service keys that manage less critical system parameters are also available. Each trunking system requires an Ethernet switch at each site. Routers are optional for a single-site system but required for multi-site systems. **NOTE:** Recommended models are listed herein, but most commercially available IP equipment is compatible as well.

NXR-800 REPEATER		EPL	LIST
NXR-800K	Repeater, Digital, UHF, 450-480MHz, 1-5W	3,999.75	5,333.00
NXR-800K2	Repeater, Digital, UHF, 480-512MHz, 1-5W	3,999.75	5,333.00
NXR-800K3	Repeater, Digital, UHF, 400-430MHz, 1-5W	3,999.75	5,333.00
NXR-800E	Repeater, Digital, UHF, 440-470MHz, 25W	4,500.00	6,000.00
NXR-800E3	Repeater, Digital, UHF, 400-430MHz, 25W	4,500.00	6,000.00

Programming Cost: \$100.00 Installation Cost: \$250.00

BANDWIDTH OPTION:		EPL	LIST
KXK-3M3	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator Note: Only one KXK-3M3 required per site for each 6.25KHz operation.	2,499.75	3,333.00

BASIC ACCESSORIES		EPL	LIST
KSGCB60004	NXR-Series Programming Cable	18.75	25.00
KPG-109DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
B51-8795-00	NXR-800 Service Manual	37.50	50.00
B51-8827-00	NXR-800 Supplement Manual	37.50	50.00

RF BASE STATION AMPLIFIER OPTIONS (K, K2 and K3 Models)		EPL	LIST
Note: Includes Two Cables for Radio Connectivity			
KSGPA23421	406-450MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23400	406-450MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23451	406-450MHz, 3W Input, 150W Output	3,420.00	4,560.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	3,420.00	4,560.00

RF BASE STATION AMPLIFIER OPTIONS (E and E3 Models)		EPL	LIST
Note: Includes Two Cables for Radio Connectivity			
KSGPA23521	406-450MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23500	406-450MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23551	406-450MHz, 25W Input, 150W Output	3,420.00	4,560.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	3,420.00	4,560.00
RF REPEATER STATION AMPLIFIER OPTIONS (K, K2 and K3 Models)		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA23401	406-450MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23411	406-450MHz, 3W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23441	406-450MHz, 3W Input, 150W Output	2,955.00	3,940.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	2,955.00	3,940.00
RF REPEATER STATION AMPLIFIER OPTIONS (E and E3 Models)		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA23501	406-450MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23511	406-450MHz, 25W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23541	406-450MHz, 25W Input, 150W Output	2,955.00	3,940.00
KSGPA23543	450-512MHz, 25W Input, 150W Output	2,955.00	3,940.00
POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 150W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75

WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00

KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
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TRUNKING CONFIGURATIONS		EPL	LIST
KSGPG91800	Repeater Trunking Feature Note: One Feature required for each trunking repeater.	1,125.00	1,500.00
KSGPG91810	Multi-Site Networking Feature Note: One required for each of the first five sites to be networked; sites 6 through 16 are available at no additional charge.	8,750.25	11,667.00
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	437.25	583.00
KPG-110SMK	System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key..	344.25	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	125.25	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	125.25	167.00

USB KEY FUNCTION OR CAPABILITY	GRADE-1 (BLUE)	GRADE-2 (YELLOW)
PROGRAM GENERAL SYSTEM PARAMETERS	√	√
ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	√	√
ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES	√	
ADD NEW REPEATER CHANNEL(S)	√	
SWAP OUT SPARE REPEATERS	√	
CONSTRUCT OR ADD NEW SITES	√	

ETHERNET SWITCH & ROUTER OPTIONS		EPL	LIST
Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required <u>in addition to</u> and in conjunction with network switch equipment. Multicast Router options are also available.			
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	281.25	375.00

EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00

MISC STATION OPTIONS		EPL	LIST
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,331.25	1,775.00

MISC STATION OPTIONS		EPL	LIST
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable, 54", DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories.	37.50	50.00

UHF

NXR-810

Base Stations and Repeaters 400 - 520 MHz



GENERAL: NXR-810 UHF Repeaters and Base Stations are integrated systems. The NXR-810 repeater occupies 2 RU and may be used as a standalone 25 W continuous or 40W intermittent duty station or with an external power amplifier. The NXR-810 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz.

OPTIONS: Station options include external amplifiers with built-in T/R antenna switching for simplex operation, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. High performance 4 and 6 cavity BpBr duplexers are also listed, while multi-channel combining systems are quoted on an individual system basis.

Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

NXR-810 REPEATER		EPL	LIST
NXR-810K	Repeater, Digital, UHF, 450-520MHz, 1-40W	1,612.50	2,150.00
NXR-810K2	Repeater, Digital, UHF, 400-470MHz, 1-40W	1,612.50	2,150.00

Programming Cost: \$100.00 Installation Cost: \$250.00

BASIC ACCESSORIES		EPL	LIST
KSGCB60004	NXR-Series Programming Cable	18.75	25.00
KPG-129DNK	Repeater Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
B51-8902-00	NXR-810 Service Manual	37.50	50.00
KTI-3M	Network Interface Unit - Required for Conv. IP Networking Functionality	198.75	265.00
KWD-NX10VTR	Voting System Option	375.00	500.00

RF BASE STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes Two Cables for Radio Connectivity			
KSGPA23421	406-450MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23400	406-450MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23451	406-450MHz, 3W Input, 150W Output	3,420.00	4,560.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	3,420.00	4,560.00
KSGPA23521	406-450MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23500	406-450MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23551	406-450MHz, 25W Input, 150W Output	3,420.00	4,560.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	3,420.00	4,560.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA23401	406-450MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23411	406-450MHz, 3W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23441	406-450MHz, 3W Input, 150W Output	2,955.00	3,940.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	2,955.00	3,940.00
KSGPA23501	406-450MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,248.75	1,665.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA23511	406-450MHz, 25W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23541	406-450MHz, 25W Input, 150W Output	2,955.00	3,940.00
KSGPA23543	450-512MHz, 25W Input, 150W Output	2,955.00	3,940.00
POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 150W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	690.00	920.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
ETHERNET SWITCH & ROUTER OPTIONS		EPL	LIST
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	281.25	375.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00

MISC STATION OPTIONS		EPL	LIST
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,331.25	1,775.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
KSGMS10010	Relay, Antenna, x10 Series, 50W	255.00	340.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	615.00	820.00
KSGBCDCASE	Case, Tone Term Panel	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable, 54", DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories.	37.50	50.00

NEXEDGE® 800 MHz

NXR-900

High Performance Repeaters 806 - 825, 851 - 870 MHz



GENERAL: NXR-900 800MHz repeaters are integrated systems. The NXR-900 repeater occupies 1 RU, and is a 360 mW transceiver unit used with an external power amplifier. The NXR-900 can be programmed to operate in the analog mode at 25 KHz or 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz. Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.

OPTIONS: Station options include external amplifiers, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. High performance 4 cavity BpBr duplexers are also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 U (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 75W and 130W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details. Options required for trunking include enabling of the NXR-900 trunking feature, plus system management software that includes a master USB key & activation file, which hold a license ID unique to each system. Feature-packed System Manager software provides full access to system parameters, permissions, log files, etc. Secondary, restricted-level service keys that manage less critical system parameters are also available. Each trunking system requires an Ethernet switch at each site. Routers are optional for a single-site system but required for multi-site systems. NOTE: Recommended models are listed herein, but most commercially available IP equipment is compatible.

NXR-900 REPEATER (K Model)		EPL	LIST
NXR-900K	Repeater, Digital, RX 806-825 MHz, TX 821-870 MHz	4,312.50	5,750.00

Programming Cost: \$100.00 Installation Cost: \$250.00

BANDWIDTH OPTION:		EPL	LIST
KXK-3M3	6.25KHz "Very Narrow Band" Option High Stability Reference Oscillator Note: Only one KXK-3M3 required per site for each 6.25KHz operation.	2,499.75	3,333.00

BASIC ACCESSORIES		EPL	LIST
KSGCB60004	NXR-Series Programming Cable	18.75	25.00
KPG-46UM	Programming Cable (USB)	118.88	158.50
KPG-109DNK	Repeater Programming Software	77.44	103.25
KPG-111DNK	NX-Series Subscriber Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
B51-8946-00	NXR-900 Service Manual	37.50	50.00
KMC-9C	Desktop Microphone	64.50	86.00
KMC-35	Standard Mobile Microphone	39.38	52.50

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA24181	764-870MHz, 250mW Input, 75W Output	2,175.00	2,900.00
KSGPA24131	764-870MHz, 250mW Input, 130W Output	2,872.50	3,830.00

POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 130W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 130W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00

MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
MOUNTING CONFIGURATIONS		EPL	LIST
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
TRUNKING CONFIGURATIONS		EPL	LIST
KSGPG91800	Repeater Trunking Feature Note: One Feature required for each trunking repeater.	1,125.00	1,500.00
KSGPG91810	Multi-Site Networking Feature Note: One required for each of the first five sites to be networked; sites 6 through 16 are available at no additional charge.	8,750.25	11,667.00
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	437.25	583.00
KPG-110SMK	System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key..	344.25	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	125.25	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	125.25	167.00
USB KEY FUNCTION OR CAPABILITY		GRADE-1 (BLUE)	GRADE-2 (YELLOW)
PROGRAM GENERAL SYSTEM PARAMETERS		√	√
ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.		√	√
ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES		√	
ADD NEW REPEATER CHANNEL(S)		√	
SWAP OUT SPARE REPEATERS		√	
CONSTRUCT OR ADD NEW SITES		√	
ETHERNET SWITCH & ROUTER OPTIONS		EPL	LIST
Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required <u>in addition to</u> and in conjunction with network switch equipment. Multicast Router options are also available.			
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	281.25	375.00

EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00
MISC STATION OPTIONS		EPL	LIST
KSGDX14644	4 Cavity 800MHz BpBr Duplexer Note: Bandpass/Bandreject duplexer, 250W continuous duty, minimum TX-RX 5MHz. Includes RF cables, mounting and tuning. Includes one LMR-400 interface cable.	1,743.75	2,325.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable, 54", DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories.	37.50	50.00

NEXEDGE® 900 MHz

NXR-901

High Performance Repeaters 896 - 902; 935 - 941 MHz



GENERAL: NXR-901 900MHz repeaters are integrated systems. The NXR-901 repeater occupies 1 RU, and is a 360 mW transceiver unit used with an external power amplifier. The NXR-901 can be programmed to operate in the analog mode at 12.5 KHz, and in the digital mode at 12.5 KHz or 6.25 KHz. Programming information is required to properly configure each system. Please contact your Kenwood Systems Regional Manager for assistance.

OPTIONS: Station options include external amplifiers, wire line remote control, and power supply options such as integrated SmartCharger and Low Voltage Disconnect for battery backup applications. High performance 4 cavity BpBr duplexers are also listed, while multi-channel combining systems are quoted on an individual system basis. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 75W and 130W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details. Options required for trunking include enabling of the NXR-901 trunking feature, plus system management software that includes a master USB key & activation file, which hold a license ID unique to each system. Feature-packed System Manager software provides full access to system parameters, permissions, log files, etc. Secondary, restricted-level service keys that manage less critical system parameters are also available. Each trunking system requires an Ethernet switch at each site. Routers are optional for a single-site system but required for multi-site systems. NOTE: Recommended models are listed herein, but most commercially available IP equipment is compatible.

NXR-901 REPEATER (K Model)		EPL	LIST
NXR-901K	Repeater, Digital, RX 896-902MHz, TX 935-941MHz	4,312.50	5,750.00

Programming Cost: \$100.00 Installation Cost: \$250.00

BANDWIDTH OPTION:		EPL	LIST
KXK-3M3	"Very Narrow Band" Option High Stability Reference Oscillator Note: Only one KXK-3M3 required per site for 12.5KHz or 6.25KHz operation.	2,499.75	3,333.00

BASIC ACCESSORIES		EPL	LIST
KSGCB60004	NXR-Series Programming Cable	18.75	25.00
KPG-46UM	Programming Cable (USB)	118.88	158.50
KPG-109DNK	Repeater Programming Software	77.44	103.25
KPG-111DNK	NX-Series Subscriber Programming Software	77.44	103.25
KPG-149RM	Nexedge Repeater Monitoring Software	187.50	250.00
B53-7004-00	NXR-901 Service Manual	37.50	50.00
KMC-9C	Desktop Microphone	64.50	86.00
KMC-35	Standard Mobile Microphone	39.38	52.50

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA25172	928-943MHz, 250mW Input, 75W Output	2,175.00	2,900.00
KSGPA25132	935-940MHz, 250mW Input, 130W Output	2,872.50	3,830.00

POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 130W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 130W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00

MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00

WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00

ETHERNET SWITCH & ROUTER OPTIONS		EPL	LIST
Note: One switch is required for each site; VPN router(s) may be required for multi-site systems depending on desired configuration. When needed, VPN router(s) are required <u>in addition to</u> and in conjunction with network switch equipment. Multicast Router options are also available.			
KSGNS10008	8-Port Managed Network Switch with Mounting Tray	187.50	250.00
KSGNS10024	Rack Mounted 24-Port Managed Network Switch	281.25	375.00
KSGRT10004	4-Port Managed VPN Router with Mounting Tray	281.25	375.00

INTERNAL TRUNKING AND NETWORKING OPTIONS		EPL	LIST
KSGPG91800	Repeater Trunking Feature Note: One Feature required for each trunking repeater.	1,125.00	1,500.00
KSGPG91810	Multi-Site Networking Feature Note: One required for each of the first five sites to be networked; sites 6 through 16 are available at no additional charge.	8,750.25	11,667.00
KSGPGKEYSM	System Manager Software and Secure USB Key Package (KPG-110SMK, KSGPGKEY01) Note: Only required when used as a trunking system. Software/Key package discount has been applied. (See component pricing below.)	437.25	583.00
KPG-110SMK	System Manager Trunking Software Note: Additional Programming Software (One copy included with KSGPGKEYSM) Software cannot be opened without a valid KSGPGKEY01 or KSGPGKEY02 secure USB key..	344.25	459.00
KSGPGKEY01	Grade-1 Unlimited Access Secure USB Programming Key	125.25	167.00
KSGPGKEY02	Grade-2 Limited Access Secure USB Programming Key	125.25	167.00

USB KEY FUNCTION OR CAPABILITY	GRADE-1 (BLUE)	GRADE-2 (YELLOW)
PROGRAM GENERAL SYSTEM PARAMETERS	√	√
ADD / DELETE / EDIT USERS. TALKGROUPS, CLASSES OF SERVICE, ECT.	√	√
ASSIGN OR EDIT REPEATER NETWORK IP ADDRESSES	√	
ADD NEW REPEATER CHANNEL(S)	√	
SWAP OUT SPARE REPEATERS	√	
CONSTRUCT OR ADD NEW SITES	√	

EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00
MISC STATION OPTIONS		EPL	LIST
KSGDX15044	4 Cavity 900MHz BpBr Duplexer Note: Bandpass/Bandreject duplexer, 250W continuous duty, minimum TX-RX 5MHz. Includes RF cables, mounting and tuning. Includes one LMR-400 interface cable.	1,743.75	2,325.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable, 54", DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories.	37.50	50.00

TKB-6900 Series

Low Band Conventional Simplex Base Stations (29.7 - 50 MHz)



GENERAL: TKB-6900 Series Low Band Base Stations are built around the TK-690 high performance 110W radio. The TK-690 transceiver is mounted in a 2 RU tray. Equipment may be mounted in a cabinet enclosure or open rack, and may be used either by itself (50W continuous duty or 110W at 20% duty cycle) or as a driver for an external continuous duty RF amplifier (100W or 250W).

OPTIONS: Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. T-R simplex antenna switching is included in the basic unit as well as in all external amplifiers. Other configurations are also available on a special order basis; please contact your Kenwood Systems Regional Sales Manager for more details.

RADIO PACKAGES		EPL	LIST
TKB6900SK1	29.7-37.0MHz (TK-690HBK, KCH-10, KCT-23M2, KSGUT50002)	1,002.56	1,336.75
TKB6900SK2	35.0-43.0MHz (TK-690HBK2, KCH-10, KCT-23M2, KSGUT50002)	1,002.56	1,336.75
TKB6900SK3	40.0-50.0MHz (TK-690HBK3, KCH-10, KCT-23M2, KSGUT50002)	1,002.56	1,336.75

Programming Cost: \$75.00 Installation Cost: \$250.00

BASIC ACCESSORIES		EPL	LIST
KPG-43UM	Programming Cable	118.88	158.50
KPG-44DNK	Programming Software	51.38	68.50
B51-8460-10	TK-690 Service Manual	37.50	50.00

RF AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA21101	30-36MHz, 50W Input, 100W Output	2,043.75	2,725.00
KSGPA21102	36-42MHz, 50W Input, 100W Output	2,043.75	2,725.00
KSGPA21103	42-50MHz, 50W Input, 100W Output	2,043.75	2,725.00
KSGPA21251	30-36MHz, 50W Input, 250W Output	3,506.25	4,675.00
KSGPA21252	36-42MHz, 50W Input, 250W Output	3,506.25	4,675.00
KSGPA21253	42-50MHz, 50W Input, 250W Output	3,506.25	4,675.00

POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 250W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00

MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00

WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	690.00	920.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
MISC STATION OPTIONS		EPL	LIST
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
KSGOCWID	CWID Morse Code Generator Note: Specify call sign at time of order	101.25	135.00
COMPONENTS		EPL	LIST
TK-690HBK	Radio, Mobile, 29.7-37.0 MHz, 110w, 160 Ch (R.F. Deck Only)	803.25	1,071.00
TK-690HBK2	Radio, Mobile, 35.0-43.0 MHz, 110w, 160 Ch (R.F. Deck Only)	803.25	1,071.00
TK-690HBK3	Radio, Mobile, 40.0-50.0 MHz, 110w, 160 Ch (R.F. Deck Only)	803.25	1,071.00
KCH-10	Basic Control Panel, 90-Series	110.25	147.00
KCT-23M2	10' Cable, DC for High-Power Mobile	29.06	38.75
KSGUT50002	2RU Utility Tray for Equipment Mounting	60.00	80.00
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	615.00	820.00
KSGBCDCASE	Case, Tone Term Panel	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories	37.50	50.00

VHF High Band

TKR-740

High Performance Base Stations and Repeaters 146 - 162 MHz



GENERAL: The TKR-740 repeater occupies 1 RU and may be used as a 5W standalone low power station or as a driver for an external power amplifier. A digital POCSAG paging transmitter is built into the TKR-740 repeater; paging terminal is not included.

OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. A high performance 6 cavity BpBr duplexer is listed as an option; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 50W, 110W, 150W or 250W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-740 REPEATER		EPL	LIST
TKR-740K	Repeater, VHF, High-Performance 146-162 MHz	2,499.75	3,333.00

Programming Cost: \$75.00 Installation Cost: \$250.00

BASIC ACCESSORIES		EPL	LIST
KPG-46UM	Programming Cable	118.88	158.50
KPG-47DNK	Programming Software	51.38	68.50
B51-8505-10	TKR-740 Service Manual	37.50	50.00
L-8000	Circuit Modification Required for use with Passport-NTS Protocol	120.00	160.00

RF BASE STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes Two Cables for Radio Connectivity			
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22258	152-162MHz, 3w Input, 250W Output	3,450.00	4,600.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	3,045.00	4,060.00

POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 150W or 250W amplifier options.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W or 250W amplifier options.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00

MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00
MISC STATION OPTIONS		EPL	LIST
KSGDX12556	6 Cavity VHF BpBr Duplexer Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	633.75	885.00
KSGMS10040	Relay, Antenna, x40 Series, 5W	255.00	340.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00

COMPONENTS		EPL	LIST
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories	37.50	50.00

UHF**TKR-840****High Performance Base Stations and Repeaters 450 - 480 MHz**

GENERAL: The TKR-840 repeater occupies 1 RU and may be used as a 5W standalone low power station or as a driver for an external power amplifier. A digital POCSAG paging transmitter are built into the TKR-840 repeater; paging terminal is not included.

OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. High performance 4 and 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-840 REPEATER		EPL	LIST
TKR-840K	Repeater, UHF, High-Performance, 450-480MHz	2,578.50	3,438.00

Programming Cos: \$75.00 Installation Cost: \$250.00

BASIC ACCESSORIES		EPL	LIST
KPG-46UM	Programming Cable	118.88	158.50
KPG-47DNK	Programming Software	51.38	68.50
B51-8506-00	TKR-840 Service Manual	37.50	50.00
L-8000	Circuit Modification Required for use with Passport-NTS Protocol	120.00	160.00

RF BASE STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes Two Cables for Radio Connectivity			
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	3,420.00	4,560.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	2,955.00	3,940.00

POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 150W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00

MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00

WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00
MISC STATION OPTIONS		EPL	LIST
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,331.25	1,775.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
KSGMS10040	Relay, Antenna, x40 Series, 5W	255.00	340.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.00	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00

COMPONENTS		EPL	LIST
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories	37.50	50.00

VHF High Band

TKR-750

Base Stations and Repeaters 136 - 174 MHz



GENERAL: TKR-750 VHF High Band Base Stations and Repeaters are integrated systems using TKR-750 repeaters. The TKR-750 repeater occupies 2 RU and may be used as a continuous-duty 25W standalone low power station, a 50W intermittent duty station, or as a driver for an external power amplifier.

OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. A high performance 6 cavity BpBr duplexer is listed as an option; multi-channel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect.

Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 50W, 110W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

RADIO PACKAGES		EPL	LIST
TKR-750K	Repeater, VHF, 146-174MHz, 25-50W	1,168.50	1,558.00
TKR-750K2	Repeater, VHF, 136-150MHz, 25-50W	1,168.50	1,558.00

Programming Cost: \$75.00 Installation Cost: \$250.00

BASIC ACCESSORIES		EPL	LIST
KPG-46UM	Programming Cable	118.88	158.50
KPG-91DNK	Programming Software	77.44	103.25
B51-8556-20	TKR-750 Service Manual	37.50	50.00

RF BASE AMPLIFIER OPTIONS		EPL	LIST
Note: Includes Two Cables for Radio Connectivity			
KSGPA22523	136-174MHz, 25W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22500	136-144MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22510	144-152MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22551	136-144MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	2,790.00	3,720.00

RF REPEATER AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA22503	136-174MHz, 25W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22511	136-144MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22541	136-144MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	2,295.00	3,060.00

POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00

POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	690.00	920.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00
MISC STATION OPTIONS		EPL	LIST
KSGDX12556	6 Cavity VHF BpBr Duplexer Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
KSGMS10050	Relay, Antenna, x50 Series, 50W	255.00	340.00

COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	615.00	820.00
KSGBCDCASE	Case, Tone Term Panel	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories	37.50	50.00

UHF

TKR-850

Base Stations and Repeaters 400 - 512 MHz

GENERAL: TKR-850 UHF Base Stations and Repeaters are integrated systems using TKR-850 repeaters. The TKR-850 repeater occupies 2 RU and may be used as a continuous-duty 25W, standalone low power station, a 50W intermittent duty station, or as a driver for an external power amplifier.

OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. High performance 4 and 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.



TKR-850 REPEATER		EPL	LIST
TKR-850K	Repeater, UHF, 450-480MHz, 25-40W	1,247.25	1,663.00
TKR-850K2	Repeater, UHF, 480-512MHz, 25-40W	1,247.25	1,663.00
TKR-850K3	Repeater, UHF, 400-430MHz, 25-40W	1,247.25	1,663.00

Programming Cost: \$75.00 Installation Cost: \$250.00

BASIC ACCESSORIES		EPL	LIST
KPG-46UM	Programming Cable	118.88	158.50
KPG-91DNK	Programming Software	77.44	103.25
B51-8557-30	TRK-850 Service Manual	37.50	50.00

RF BASE STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes Two Cables for Radio Connectivity			
KSGPA23521	406-450MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23500	406-450MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23551	406-450MHz, 25W Input, 150W Output	3,420.00	4,560.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	3,420.00	4,560.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA23501	406-450MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23511	406-450MHz, 25W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23541	406-450MHz, 25W Input, 150W Output	2,955.00	3,940.00
KSGPA23543	450-512MHz, 25W Input, 150W Output	2,955.00	3,940.00

POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00

MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	690.00	920.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00
MISC STATION OPTIONS		EPL	LIST
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,331.25	1,775.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
KSGMS10050	Relay, Antenna, x50 Series, 50W	255.00	340.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00

COMPONENTS		EPL	LIST
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	615.00	820.00
KSGBCDCASE	Case, Tone Term Panel	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories	37.50	50.00

VHF High Band

TKR-751

High Performance Base Stations and Repeaters 146 - 174 MHz



GENERAL: TKR-751 VHF High Band Base Stations and Repeaters are integrated systems using TKR-751 repeaters. The TKR-751 repeater occupies 2 RU and may be used as a continuous-duty 25W standalone low power station or as a driver for an external power amplifier.

OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. A high performance 6 cavity BpBr duplexer is listed as an option; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 110W, 150W, 150W or 250W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-751 REPEATER		EPL	LIST
TKR-751K	Repeater, VHF, 146-174MHz, 25W	1,037.25	1,383.00

Programming Cost: \$75.00 Installation Cost: \$250.00

BASIC ACCESSORIES		EPL	LIST
KPG-46UM	Programming Cable	118.88	158.50
KPG-91DNK	Programming Software	77.44	103.25
B51-8683-00	TKR-751 Service Manual	37.50	50.00

RF BASE STATION AMPLIFIER OPTIONS		EPL	LIST
<i>Note:</i> Includes Two Cables for Radio Connectivity			
KSGPA22423	136-174MHz, 3W Input, 25-50W Output	1,492.50	1,990.00
KSGPA22410	144-152MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22420	152-162MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22430	162-174MHz, 3W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22452	144-152MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22453	152-162MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22454	162-174MHz, 3W Input, 150W Output	2,790.00	3,720.00
KSGPA22258	152-162MHz, 3w Input, 250W Output	3,450.00	4,600.00
KSGPA22510	144-152MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22520	152-162MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22530	162-174MHz, 25W Input, 55-110W Output	1,878.75	2,505.00
KSGPA22552	144-152MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22553	152-162MHz, 25W Input, 150W Output	2,790.00	3,720.00
KSGPA22554	162-174MHz, 25W Input, 150W Output	2,790.00	3,720.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
<i>Note:</i> Includes One Cable for Radio Connectivity			
KSGPA22403	136-174MHz, 3W Input, 25-50W Output	1,248.75	1,665.00
KSGPA22412	144-152MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22413	152-162MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22414	162-174MHz, 3W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22442	144-152MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22443	152-162MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22444	162-174MHz, 3W Input, 150W Output	2,295.00	3,060.00
KSGPA22253	152-162MHz, 3W Input, 250W Output	3,045.00	4,060.00
KSGPA22512	144-152MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22513	152-162MHz, 25W Input, 55-110W Output	1,620.00	2,160.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
Note: Includes One Cable for Radio Connectivity			
KSGPA22514	162-174MHz, 25W Input, 55-110W Output	1,620.00	2,160.00
KSGPA22542	144-152MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22543	152-162MHz, 25W Input, 150W Output	2,295.00	3,060.00
KSGPA22544	162-174MHz, 25W Input, 150W Output	2,295.00	3,060.00
POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply Note: Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger Note: Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00
MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINER REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	690.00	920.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00
MISC STATION OPTIONS		EPL	LIST
KSGDX12556	6 Cavity VHF BpBr Duplexer Note: Bandpass/Bandreject duplexer, 350W continuous duty, minimum TX-RX 400 KHz. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00

MISC STATION OPTIONS		EPL	LIST
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
KSGMS10050	Relay, Antenna, x50 Series, 50W	255.00	340.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	615.00	820.00
KSGBCDCASE	Case, Tone Term Panel	52.50	70.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USR	161.25	215.00
KSGCB22154	Cable, 54", DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories.	37.50	50.00

UHF

TKR-851

Base Stations and Repeaters 450 - 480 MHz



GENERAL: TKR-851 UHF Base Stations and Repeaters are integrated systems using or TKR-851 repeaters. The TKR-851 repeater occupies 2 RU and may be used as a continuous-duty 25W standalone low power station or as a driver for an external power amplifier. A conventional controller is built into the TKR-851 repeaters.

OPTIONS: Conventional station options include wireline remote control and external RF amplifiers with built-in T-R antenna switching for simplex operation. Trunking system options include external controllers for LTR applications; PassPort systems are available by individual quotation. High performance 4 and 6 cavity BpBr duplexers are listed as options; multichannel combining systems are quoted on an individual system basis. Power supply options include battery backup with integrated SmartCharger and Low Voltage Disconnect. Mounting options include 20 RU (42") and 40 RU (77") locking cabinets in addition to 17 RU (3') and 45 RU (7') open equipment racks. Amplifier choices include 40W, 100W or 150W options. Custom configurations are also available; contact your Kenwood Systems Regional Sales Manager for more details.

TKR-851 REPEATER		EPL	LIST
TKR-851K	Repeater, UHF, 450-480MHz, 1-25W	1,116.00	1,488.00

Programming Cost: \$75.00 Installation Cost: \$250.00

BASIC ACCESSORIES		EPL	LIST
KPG-46UM	Programming Cable	118.88	158.50
KPG-91DNK	Programming Software	77.44	103.25
B51-8684-00	TRK-851 Service Manual	37.50	50.00

RF BASE STATION AMPLIFIER OPTIONS		EPL	LIST
<i>Note:</i> Includes Two Cables for Radio Connectivity			
KSGPA23423	450-512MHz, 3W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23420	450-512MHz, 3W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23453	450-512MHz, 3W Input, 150W Output	3,420.00	4,560.00
KSGPA23523	450-512MHz, 25W Input, 20-40W Output	1,462.50	1,950.00
KSGPA23520	450-512MHz, 25W Input, 50-100W Output	1,950.00	2,600.00
KSGPA23553	450-512MHz, 25W Input, 150W Output	3,420.00	4,560.00

RF REPEATER STATION AMPLIFIER OPTIONS		EPL	LIST
<i>Note:</i> Includes One Cable for Radio Connectivity			
KSGPA23403	450-512MHz, 3W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23413	450-512MHz, 3W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23443	450-512MHz, 3W Input, 150W Output	2,955.00	3,940.00
KSGPA23503	450-512MHz, 25W Input, 20-40W Output	1,248.75	1,665.00
KSGPA23513	450-512MHz, 25W Input, 50-100W Output	1,623.75	2,165.00
KSGPA23543	450-512MHz, 25W Input, 150W Output	2,955.00	3,940.00

POWER SUPPLY OPTIONS		EPL	LIST
KSGPS20400	40A, 13.8VDC, 19" Wide Rack-Mounted Power Supply <i>Note:</i> Incompatible with 150W or 250W amplifier option.	356.25	475.00
KSGPS20352	35A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger <i>Note:</i> Incompatible with 150W or 250W amplifier option.	1,016.25	1,355.00
KSGPS20701	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply	1,016.25	1,355.00
KSGPS20702	70A, 13.8VDC, 19" Wide Rack-Mounted Power Supply with SmartCharger	1,305.00	1,740.00

MOUNTING CONFIGURATIONS		EPL	LIST
KSGMRCK3	3' (17RU) Aluminum Equipment Rack with Crate (KSGMT13000, KSGMT0C03R)	810.00	1,080.00
KSGMRCK7	7' (45RU) Aluminum Equipment Rack with Crate (KSGMT17000, KSGMT0C07R)	900.00	1,200.00
KSGMCAB4	77" (40RU) Locking Cabinet with Crate (KSGMT20040, KSGMT0C40U)	2,006.25	2,675.00

MOUNTING CONFIGURATIONS		EPL	LIST
KSGMT20020	42" (20RU) Locking Cabinet	1,500.00	2,000.00
KSGMT0C20U	Crate for 42" (20RU) Locking Cabinet Note: Optional for situations where extra protection during transportation is required.	258.75	345.00
KSGMT20001	Cabinet Solid Top Panel	67.50	90.00
KSGMT20002	Cabinet Fan Top Assembly	326.25	435.00
KSGMT20003	Cabinet Solid Floor Panel (includes five pre-drilled openings and grommets)	105.00	140.00
WIRELINE REMOTE CONTROL OPTIONS		EPL	LIST
KSGTN02A	2 Channel Tone Termination Panel (KSGTM10012, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	491.25	655.00
KSGTN02N	N-Series 2 Channel Tone Termination Panel (KSGTM10060, KSGTM20TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor and automatic line leveling.	502.50	670.00
KSGTN10A	10 Channel BCD Tone Termination Panel (KSGTM10010, KSGBCDCASE, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	690.00	920.00
KSGTM20016	16 Channel Tone Termination Panel Note: 2 or 4 wire, 600-Ohm balanced audio with monitor.	711.56	948.75
KSGTDC2A	DC Termination Panel (KSGTM10003, KSGTM10TCS, KSGCB32801) Note: 2 or 4 wire, 600-Ohm balanced audio with monitor. Specify DC current settings at time of order.	307.50	410.00
KSGTALD1	600 Ohm Line Driver (KSGTM10021, KSGTM10TCS, KSGCB32801) Note: 1 channel receive audio line driver panel, 2 wire, 600Ohm balanced output. May also be configured to support 4-wire E&M interface applications.	270.00	360.00
EXTERNAL TRUNKING CONTROLLER OPTIONS		EPL	LIST
KSGC040L	LTR Dispatch Trunking Controller (KSGCT11040, KSGCB30532)	1,192.50	1,590.00
KSGC050L	LTR Dispatch & Interconnect Trunking Controller (KSGCT11050, KSGCB30532)	2,265.00	3,020.00
KSGC452L	LTR Dispatch Trunking Controller (901-9570, KSGCB32801)	1,158.75	1,545.00
KSGC459L	LTR Dispatch & Interconnect Trunking Controller (905-0123, KSGCB32801)	1,777.50	2,370.00
MISC STATION OPTIONS		EPL	LIST
KSGDX13546	6 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 250W continuous duty. Includes one LMR-400 interface cable.	2,321.25	3,095.00
KSGDX23101	4 Cavity UHF BpBr Duplexer (450-470MHz Only) Note: Bandpass/Bandreject duplexer, 350W continuous duty. Includes one LMR-400 interface cable.	1,331.25	1,775.00
KSGOMOD1	Basic Site Management Modem (KSGMD10001, KSGCB22154) Note: Modem 2400 bps to be used with LTR controllers, includes interface cable.	191.25	255.00
KSGOMOD2	High Performance Site Management Modem (KSGMD20000, KSGCB22154) Note: Modem 2400 bps, extra stability in high RF environments, includes interface cable.	911.25	1,215.00
KSGSNV12	Signal-to-Noise Modular Voting Comparator Note: 19" rack mount; occupies 3RU. Order Station Module Cards below.	6,000.00	8,000.00
KSGVOT2A	Station Module Card for Signal-to-Noise Voter (SVM-2)	1,147.50	1,530.00
KSGOPTG1	Pilot Tone Generator and Line Driver (PTG-10) Note: For use with voting systems, supplies 600 Ohm balanced 2-wire audio.	663.75	885.00
KSGMS10050	Relay, Antenna, x50 Series, 50W	255.00	340.00
COMPONENTS		EPL	LIST
KSGMT13000	Rack, Equipment, 3' Tall, 19 Inches Wide	540.00	720.00
KSGMT0C03R	Crate for 3' Rack	270.00	360.00
KSGMT17000	Rack, Equipment, 7' Tall, 19 Inches Wide	487.50	650.00
KSGMT0C07R	Crate for 7' Rack	412.50	550.00
KSGMT20040	Cabinet, 40U w/Hardware Kit Pre-Punched Pontoon Base	1,616.25	2,155.00
KSGMT0C40U	Crate for 40U Cabinet	390.00	520.00

COMPONENTS		EPL	LIST
KSGTM10012	Panel, Tone Term, 2 ch., no case, full dup, 2 or 4 wire, w/monitor	420.00	560.00
KSGTM10TCS	Case, Tone Term Panel	48.75	65.00
KSGCB32801	Cable, Interface, Tone to '50	22.50	30.00
KSGTM10060	Panel, Tone Term (N-Series), 2 ch., no case, full dup, 2 or 4 wire, w/monitor	427.50	570.00
KSGTM20TCS	Case, Tone Term Panel (N-Series)	52.50	70.00
KSGTM10010	Panel, Tone Term, 10 ch., with case, full dup, 2 or 4 wire, w/mon	615.00	820.00
KSGBCDCASE	Case, Tone Term Panel	52.50	70.00
KSGTM10003	Term panel, DC, 2ch, 2/4-wire, full duplex	236.25	315.00
KSGTM10021	600 Ohm Balanced Line Driver	198.75	265.00
KSGCT11040	Controller, Dispatch Trunking (Trident Raider)	1,162.50	1,550.00
KSGCB30532	Cable, 32", DB-25 Male (Controller) to DB-25 Male(Repeater)	30.00	40.00
KSGCT11050	Controller, Dispatch Trunking with Interconnect (Trident Maurader)	2,235.00	2,980.00
901-9570	Controller, Dispatch Trunking (Zetron Model 452)	1,136.25	1,515.00
905-0123	Controller, Dispatch Trunking with Interconnect (Zetron Model 459)	1,755.00	2,340.00
KSGMD10001	Modem, USB	161.25	215.00
KSGCB22154	Cable,54",DB-9 Female (Controller) to DB-25 Male(Modem)	30.00	40.00
KSGMD20000	Modem, Tuff, with power cable and interface cable	881.25	1,175.00
KSGUT10001	1RU Mounting Tray Note: Provides mounting space for up to two accessories	37.50	50.00

KAS-10 GPS AVL & Dispatch Messaging Software (Version 2.X)

PRODUCT ENHANCEMENTS:

999 mobile ID capacity.

NXDN® scrambler included

Up to 100 KAS-10 per system, 10 per site.

100 group scan with four Priority Monitor ID's

AVL & Voice Dispatch operation over IP; GPS data, and status/text message and voice

GPS AVL & DISPATCH		EPL	LIST
KAS-10	GPS AVL & Dispatch Messaging Software	325.50	434.00
KSGCP50001	AMBE-3000™ Vocoder Chip with USB Interface	487.50	650.00
COMPANION PRODUCTS COMPUTERS		EPL	LIST
KSGCP30201	Windows Workstation PC	1,511.25	2,015.00
KSGSP10001	Multi-Media Desktop PC Speakers	37.50	50.00
KSGCP40002	USB Over the Head Headset with Microphone	67.50	90.00
KSGCP40003	Mini-Plug Over the Head Headset with Microphone	56.25	75.00
COMPUTER MONITORS		EPL	LIST
KSGCP30101	17" Anti-Glare Black LCD Monitor	281.25	375.00
KSGCP00014	19" Anti-Glare Black LCD Monitor	356.25	475.00
KSGCP30102	17" Anti-Glare Black ELO Touchscreen Monitor	783.75	1,045.00
KSGCP00015	19" Anti-Glare Black ELO Touchscreen Monitor	933.75	1,245.00