

Optional Accessories

For LMR Portable Radios

	Antennas									Battery Packs	
	KRA-22	KRA-23	KRA-26	KRA-27	KRA-32	KRA-35	KRA-38	KRA-41	KRA-42	KNB-L1	KNB-L2
	VHF HELICAL ANTENNA (Low Profile)	UHF HELICAL ANTENNA (Low Profile)	VHF HELICAL ANTENNA (Std. Length)	UHF WHIP ANTENNA (Std. Length)	700/800 MHz WHIP ANTENNA	UHF HELICAL ANTENNA (300 MHz)	800/900 MHz WHIP ANTENNA	VHF STUBBY ANTENNA	UHF STUBBY ANTENNA	Li-ion BATTERY PACK (7.4 V/ 2000 mAh)	Li-ion BATTERY PACK (7.4 V/ 2600 mAh)
											
NX-5200/5300/5400	•	•	•	•	•			•	•	•	•
NX-3200/3300/3400	•	•	•	•	•		•	•	•		
NX-3220/3320/3420	•	•	•	•	•		•	•	•		
NX-1200/1300 [N/D/A]	•	•	•	•				•	•		
TK-2000/3000	•	•	•	•		•		•	•		

	Battery Packs										
	KNB-L3	KNB-N4	KNB-L5S	KNB-55L	KNB-56N	KNB-57L	KNB-78LC	KNB-79LC	KNB-29N	KNB-45L	KNB-69L
	Li-ion BATTERY PACK (7.4 V/ 3400 mAh)	Ni-MH BATTERY PACK (7.4 V/ 2500 mAh)	Li-ion BATTERY PACK for I.S.* (7.4 V/ 2000 mAh)	Li-ion BATTERY PACK (7.4 V/ 1480 mAh)	Ni-MH BATTERY PACK (7.2 V/ 1400 mAh)	Li-ion BATTERY PACK (7.4 V/ 2000 mAh)	Li-ion BATTERY PACK (7.4 V/ 2860 mAh)	Li-ion BATTERY PACK for I.S.* (7.4 V/ 2860 mAh)	Ni-MH BATTERY PACK (7.2 V/ 1500 mAh)	Li-ion BATTERY PACK (7.4 V/ 2000 mAh)	Li-ion BATTERY PACK (7.4 V/ 2450 mAh)
											
NX-5200/5300/5400	•	•	•								
NX-3200/3300/3400				•	•	•	•	•			
NX-3220/3320/3420				•	•	•	•	•			
NX-1200/1300 [N/D/A]									•	•	•

	Battery Packs					Alkaline Refillable Battery Cases			Chargers		
	KNB-82LC	KNB-84L	KNB-63L	KNB-65L	KNB-71L	KBP-5	KBP-8	BT-16	KSC-Y32	KSC-32S	KSC-25S
	Li-ion BATTERY PACK for I.S.* (7.4 V/ 1900 mAh)	Li-ion BATTERY PACK (7.4 V/ 1900 mAh) [IP67]	Li-ion BATTERY PACK (7.4 V/ 1130 mAh)	Li-ion BATTERY PACK (7.4 V/ 1520 mAh)	Li-ion BATTERY PACK (3.7 V/ 1430 mAh)	BATTERY CASE (6 AA)	BATTERY CASE (12 AA)	BATTERY CASE (6 AAA)	RAPID CHARGER	RAPID CHARGER	RAPID CHARGER
											
NX-5200/5300/5400							•		•		
NX-3200/3300/3400						•					•
NX-3220/3320/3420						•					•
NX-1200/1300 [N/D/A]	•	•									
TK-2000/3000			•	•				•			
PKT-23(A)					•						

	Chargers								Audio Accessories	
	KSC-25LS	KSC-43	KSC-44CR	KSC-44SL	KSC-44ML	KSC-326A	KSC-256A	KSC-356A	EMC-11	KMC-21A
	RAPID CHARGER (Li-ion only)	RAPID CHARGER	RAPID CHARGER (Cradle only**)	AC ADAPTER (for KSC-44CR Single Unit)	AC ADAPTER (for KSC-44CR Multiple Units)	MULTIPLE CHARGER (6-pocket)	MULTIPLE CHARGER (6-pocket)	MULTIPLE CHARGER (6-pocket)	CLIP MICROPHONE with EARPHONE	SPEAKER MICROPHONE (Compact Size)
										
NX-5200/5300/5400						•				
NX-3200/3300/3400	•						•			
NX-3220/3320/3420	•						•			
NX-1200/1300 [N/D/A]		•						•	•	•
TK-2000/3000		•						•	•	•
PKT-23(A)			•	•	•					

	Audio Accessories			Others					
	KMC-45D	KMC-70 [GR]	KMC-72	KBH-10	KBH-11	KBH-18	KBH-20	KAS-12	KPG-180AP
	SPEAKER MICROPHONE (IP54/55)	SPEAKER MICROPHONE (IP68) 3 Buttons on top, 2 Mic. for Active Noise Canceling	SPEAKER MICROPHONE (IP67) with 2 Top Buttons	BELT CLIP	BELT CLIP (2.5")	BELT CLIP	BELT CLIP	BATTERY READER (for KSC-Y32)	OTAP MANAGER (PC Software)
									
NX-5200/5300/5400		•	•		•			•	•
NX-3200/3300/3400		•	•		•				•
NX-3220/3320/3420	•				•				•
NX-1200/1300 [N/D/A]	•			•					
TK-2000/3000	•					•			
PKT-23(A)							•		

*I.S.: Intrinsically Safe

**Either AC adapter KSC-44SL (for single unit) or KSC-44ML (for up to 6 units) is required to use the Rapid Charger KSC-44CR.

For LMR Mobile Radios and Base-Repeaters

	Microphones					Speakers & Control Heads		
	KMC-60	KMC-62	KMC-65	KMC-66	KMC-9C	KES-5A	KCH-19	KCH-20R
	MICROPHONE	KEYPAD MICROPHONE (16-keypad)	MICROPHONE (IP54/55)	KEYPAD MICROPHONE (IP54/55 & 12-keypad)	DESKTOP MICROPHONE	EXTERNAL SPEAKER (40 W max input)	BASIC CONTROL HEAD KIT	FEATURED CONTROL HEAD KIT
								
NX-5700/5800/5900	•	•	•	•	• (Only FDMA)	•	•	•
NX-3720HG/3820HG/3920G	•	•	•	•	• (Only FDMA)	•		
TK-7360/8360	•	•	•	•	•	•		
TK-7302/8302	•	•	•	•	•			
NXR-5700/5800/5900	•		•					
NXR-710/810	•		•					
TKR-D710/D810	•		•					

	Cables						Kits for Control Head	
	KCT-18	KCT-23	KCT-46	KCT-60	KCT-71	KCT-72	KRK-14H	KRK-15B
	IGNITION SENSE CABLE	DC POWER CABLE (M: 3 m / M3: 7 m)	IGNITION SENSE CABLE	CONNECTION CABLE (D-sub 15 to Molex)	REMOTE CONTROL CABLE (Available in 5.2 m, 7.6 m, and 0.5 m)	CONNECTION CABLE	CONTROL HEAD INTERFACE KIT (Adapter for the Head)	CONTROL HEAD REMOTE KIT (Adapter for the RF Deck)
								
NX-5700/5800/5900	•	•	•		•	•	•	•
NX-3720HG/3820HG/3920G	•	•		•	•	•		
TK-7360/8360	•			•				
TK-7302/8302	•			•				

	Kits for Control Head		Others					
	KRK-18H	KRK-19B	KRA-40G	KMB-33	KMB-36	KMB-10	KLF-2	KAP-2
	CONTROL HEAD INTERFACE KIT (Adapter for the Head)	CONTROL HEAD REMOTE KIT (Adapter for the RF Deck)	GPS ACTIVE ANTENNA	MOUNTING BRACKET	MOUNTING BRACKET (for 100 W/ 110 W mobile)	KEY LOCK ADAPTER	LINE FILTER	HORN ALERT/ P.A. RELAY UNIT
								
NX-5700/5800/5900			•	•	•	•	•	•
NX-3720HG/3820HG/3920G	•	•	•			•	•	
TK-7360/8360						•	•	
TK-7302/8302						•	•	

	Others						
	KXK-3	KTI-3	KTI-4	KTI-5	KAS-20	KPG-149RM	KPG-180AP
	OCXO UNIT	NETWORK INTERFACE UNIT	INTERCONNECT ADAPTER	NETWORK BOX	AVL AND DISPATCH SOFTWARE (PC Software)	REPEATER MONITOR (PC Software)	OTAP MANAGER (PC Software)
							
NX-5700/5800/5900					•		•
NX-3720HG/3820HG/3920G					•		•
NXR-5700/5800/5900	•		•		•	•	
NXR-710/810		•		•	•	•	
TKR-D710/D810				•	•	•	

For Amateur Radios

		KNB-63L	KNB-65L	BT-16	KSC-43	MC-62	PG-2N
		Li-ion BATTERY PACK (7.4 V/1130 mAh)	Li-ion BATTERY PACK (7.4 V/1520 mAh)	BATTERY CASE (6 AAA)	RAPID CHARGER	KEYPAD MICROPHONE (16-keypad)	DC POWER CABLE
							
Portables	TH-K20A/K40A	•	•	•	•		
Mobiles	TM-D710GA					•	•
	TM-V71A					•	•

		PG-3B	PG-5A	PG-5F	PG-5G	PG-5H	DFK-3D
		DC LINE NOISE FILTER	DATA CONNECTION CABLE (MOBILES)	EXTENSION CABLE KIT (4 m)	PROGRAMMING INTERFACE CABLE	PC INTERFACE CABLE (FOR ECHOLINK NODE TERMINAL OPERATION)	DETACHABLE FRONT PANEL KIT (3 m)
							
Mobiles	TM-D710GA	•	•	•	•	•	
	TM-V71A	•	•	•	•	•	•

		VGS-1	SP-990	SP-890	HS-5	HS-6	MC-90
		VOICE GUIDE AND STORAGE UNIT	EXTERNAL SPEAKER	EXTERNAL SPEAKER	OPEN-AIR DELUXE HEADPHONE	LIGHT WEIGHT HEADPHONE	DELUXE DESKTOP MICROPHONE
							
Mobiles	TM-D710GA	•					
	TM-V71A	•					
Base Stations	TS-990S		•		•	•	•
	TS-890S			•	•	•	•
	TS-590SG	•			•	•	•

		MC-43	MC-47	MB-430	PG-20	SO-3
		HAND MICROPHONE	MULTI-FUNCTION MICROPHONE	MOUNTING BRACKET	DC CABLE (7 m)	TCXO UNIT
						
Base Stations	TS-990S	•	•			
	TS-890S	•	•			
	TS-590SG	•	•	•	•	•

		SP-23	YG-82CN-1
		EXTERNAL SPEAKER	270 Hz CW FILTER
			
Base Stations	TS-890S		•
	TS-590SG	•	

All accessories and options may not be available in all markets.
Contact an authorized KENWOOD dealer for details and complete
list of all accessories and options.

Specifications

		Digital – Multi-Protocol Radios			
		NX-5200/5300/5400	NX-5700/5800/5900	NX-3200/3300/3400 (Universal audio connector)	NX-3220/3320/3420 (2-pin audio connector)
Supporting Protocols		Any combination of two digital protocols can be selected from three protocols NXDN, DMR, and P25 (Phases 1 & 2), plus FM Analog		NXDN or DMR digital, and FM Analog protocols	
Frequency Range		136-174, 380-470, 450-520 MHz RX: 763-776, 851-870 MHz, TX: 763-776, 793-806, 806-825, 851-870 MHz		136-174, 400-520 MHz TX/RX: 851-870, 935-941 MHz, TX: 806-825, 896-902 MHz	
Number of Channels		1024 ch (Up to 4000 ch with option)	1024 ch (Up to 4000 ch with option)	512 ch (64 ch for no LCD models) (Up to 1000 ch with option)	260 ch (64 ch for no LCD models) (Up to 1000 ch with option)
RF Power Output		VHF: 6/1 W, UHF: 5/1 W 700-800 MHz: 3/1 W	VHF: 50-5 W, UHF: 45-5 W 700 MHz: 30-2 W, 800 MHz: 35-2 W	VHF/UHF: 5/4/1 W 800-900 MHz: 3/1 W	VHF/UHF 5/4/1 W 800-900 MHz: 3/1 W
Dimensions (W x H x D) Projections not Included		58.0 x 138.9 x 39.8 mm (with KNB-L1)	171 x 48 x 176 (196*) mm (*Depth for the NX-5900)	56 x 119.6 x 39.0 mm (with KNB-57L)	56 x 119.6 x 39.0 mm (with KNB-57L)
Weight (net)		382 g (with KNB-L1)	1.6 kg (NX-5900: 1.7 kg)	340 g (with KNB-57L)	340 g (with KNB-57L)

		Digital – Multi-Protocol Radios		NEXEDGE Digital Radios		DMR Digital Radios
		NX-3720HG/3820HG/3920G	NX-1200/1300 [D/N/A]	NXR-5700/5800/5900	NXR-710/810	TKR-D710/D810
Supporting Protocols		NXDN or DMR digital, plus FM Analog	NXDN or DMR digital (User selects a protocol at the time of purchase), plus FM Analog	NXDN Trunking and Conventional, plus FM Analog	NXDN Conventional and FM Analog	DMR Conventional and FM Analog
Frequency Range		136-174, 400-520 MHz TX/RX: 851-870 MHz TX: 806-825 MHz	136-174, 400-470 MHz, 450-520 MHz	136-174, 350-400 MHz, 400-470, 450-520 MHz RX: 806-825 MHz; TX: 851-870 MHz	136-174, 350-400 MHz, 400-470, 450-520 MHz	136-174, 400-470 MHz, 450-520 MHz
Number of Channels		512 ch (Up to 1000 ch with option)	260 ch (64 for Basic models)	30 ch	30 ch	30 ch
RF Power Output		VHF 50/30/5 W UHF 45/30/5 W 800 MHz 15/5 W	VHF/UHF 5/4/1 W	VHF 25/5/0.5 W UHF 25/5/0.5 W 800 MHz 360 mW	VHF 50-5 W UHF 40-5 W	VHF 50-5 W UHF 40-5 W
Dimensions (W x H x D) Projections not Included		160 x 43 x 160 mm	54 x 123 x 33.5 mm (with KNB-45L/84L)	483 x 44 x 331 mm	483 x 88 x 340 mm	483 x 88 x 340 mm
Weight (net)		1.2 kg	295 g (with KNB-45L)	5 kg	9.7 kg	9.7 kg

		FM Analog Radios				Everyday Radios
		TK-2000/3000	PKT-23A	TK-7360H/8360H	TK-7302H/7302 TK-8302H/8302	PKT-23
Supporting Protocols		FM Analog	FM Analog	FM Analog	FM Analog	FM Analog
Frequency Range		136-174, 350-390 MHz 400-430, 440-480 MHz	440-480 MHz	136-174, 400-470 MHz 350-400, 450-520 MHz	136-174, 400-470 MHz 350-400, 450-520 MHz	PMR446 Frequencies
Number of Channels		16 ch	16 ch	128 ch	100/16 ch	8 ch
RF Power Output		VHF 5/1 W UHF 4/1 W	UHF 1.5/0.5 W	VHF 50-5 W UHF 45-5 W	VHF 50-5 W [H] / 25-5 W UHF 45-5 W [H] / 25-5 W	UHF 0.5 W
Dimensions (W x H x D) Projections not Included		54 x 113 x 14 mm (with KNB-63L)	45.7 x 83.8 x 20.3 mm (with KNB-71L)	160 x 43 x 136 mm	160 x 43 x 137 mm	45.7 x 83.8 x 20.3 mm (with KNB-71L)
Weight (net)		203 g (with KNB-63L)	110 g (with KNB-71L)	1.2 kg	1.2 kg	110 g (with KNB-71L)

		Amateur Radios					
		TS-990S	TS-890S	TS-590SG	TM-D710GA	TM-V71A	TH-K20A/ K40A
Frequency Range		TX: 160 to 6 meters Amateur radio bands RX: 0.13-30 / 50-54 MHz	TX: 160 to 6 meters Amateur radio bands RX: 0.13-30 / 50-54 MHz	TX: 160 to 6 meters Amateur radio bands RX: 0.13-30 / 50-54 MHz	TX: 144-148, 430-450 MHz RX: 118-524 / 800- 1300 MHz* (*excluding cellular band)	TX: 144-148, 430-450 MHz RX: 118-524 / 800- 1300 MHz* (*excluding cellular band)	TX: 144-148 MHz RX: 136-174 MHz TX/RX: 400-470 MHz
RF Power Output		200 W (AM: 50 W)	100 W (AM: 25 W)	100 W (AM: 25 W)	50/10/5 W	50/10/5 W	TH-K20A: 5.5/2/1 W TH-K40A: 5/2/1 W
Dimensions (W x H x D) Projections not Included		460 x 165 x 400 mm	396 x 141.3 x 340 mm	270 x 96 x 291 mm	Panel: 155 x 70 x 38 mm Body: 140 x 43 x 142 mm	140 x 43 x 180.7 mm	54 x 111.7 x 25.3 mm (with KNB-63L)
Weight (net)		24.5 kg	15.8 kg	7.4 kg	Panel: 0.3 kg / Body: 1.2 kg	1.5 kg	210 g (with KNB-63L)