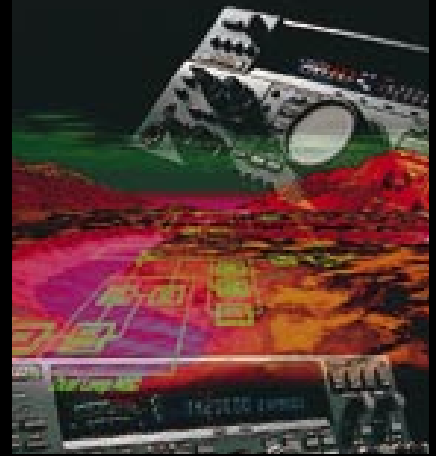


KENWOOD



GENERAL CATALOG

AMATEUR RADIO EQUIPMENT 2000





TS-950SDX

- 160m to 10m amateur band operation, 100kHz to 30MHz general coverage receiver
- Built-in DSP (Digital Signal Processing)
- MOS-type FET final section
- Dual-frequency receive
- Menu system



TS-570D(G)

- 160m to 10m amateur band operation, 500kHz to 30MHz general coverage receiver
- 16-bit AF-stage DSP (Digital Signal Processing)
- Digital filtering with 3 new CW DSP filters
- Adjustable TX sound quality & NR1 noise reduction system
- World's first CW auto tune
- Built-in preset auto antenna tuner
- Programmable function keys
- Mobile/fixed station size
- Free RCP-2 control software available on the Internet (TS-570D only)



TS-870S

- 160m to 10m amateur band operation, 100kHz to 30MHz general coverage receiver
- IF-stage DSP (Digital Signal Processing)
- DSP filters & noise reduction
- Windows® control software supplied
- Built-in K1 LogiKey
- Built-in automatic antenna tuner
- Programmable function keys



TS-570S(G)

- 160m to 10m plus 6m amateur band operation, 500kHz to 30MHz plus 50 to 54MHz general coverage receiver
- 100-watt output on all bands (SSB/CW/FM/FSK)
- 16-bit AF-stage DSP (Digital Signal Processing)
- Digital filtering with 3 new CW DSP filters
- Adjustable TX sound quality & NR1 noise reduction system
- World's first CW auto tune
- Built-in preset auto antenna tuner
- Programmable function keys
- Mobile/fixed station size
- Free RCP-2 control software available on the Internet (TS-570S only)

HF Transceivers

	TS-950SDX	TS-870S	TS-570D(G)
Transmitter Frequency Range*	160, 80, 40, 30, 20, 17, 15, 12, 10 meter amateur bands	160, 80, 40, 30, 20, 17, 15, 12, 10 meter amateur bands	160, 80, 40, 30, 20, 17, 15, 12, 10 meter amateur bands
Receiver Frequency Range	100 kHz – 30 MHz	100 kHz – 30 MHz	500 kHz – 30 MHz
Mode	J3E (SSB), A1A (CW), F1D (FSK), F3E (FM), A3E (AM)	J3E (SSB), A1A (CW), F1D (FSK), F3E (FM), A3E (AM)	J3E (SSB), A1A (CW), F1D (FSK), F3E (FM), A3E (AM)
Output Power (without antenna tuner)	SSB/CW/FM/FSK: 150 W PEP, AM: 40 W	SSB/CW/FM/FSK: 100 W, AM: 25 W	SSB/CW/FM/FSK: 100 W, AM: 25 W
Selectivity	SSB/CW/FSK: More than 2.4 kHz (-6 dB), Less than 3.8 kHz (-60 dB) AM: More than 6 kHz (-6 dB), Less than 15 kHz (-50dB) FM: More than 12 kHz (-6 dB), Less than 24 kHz (-50 dB)	SSB: 2.3 kHz (-6 dB), 3.3 kHz (-60 dB) CW: 200 Hz (-6 dB), 450 Hz (-60 dB) FSK: 500 Hz (-6 dB), 1.0 kHz (-60 dB) AM: 9 kHz (-6 dB), 12 kHz (-60 dB) FM: 14 kHz (-6 dB), 18 kHz (-60 dB)	SSB/CW/FSK: More than 2.2 kHz (-6 dB), Less than 4.4 kHz (-60 dB) AM (wide mode): More than 4 kHz (-6 dB), Less than 20 kHz (-50 dB) FM: More than 12 kHz (-6 dB), Less than 25 kHz (-50 dB)
Sensitivity [at 10 dB (S/N)] (0 dBu = 1 µV)	SSB/CW/FSK: Less than 2.5 µV (100 – 150 kHz), 1 µV (150 – 490 kHz), 4 µV (490 kHz – 1.705 MHz), 0.2 µV (1.705 – 30 MHz) AM: Less than 25 µV (100 – 150 kHz), 10 µV (150 – 490 kHz), 32 µV (490 kHz – 1.705 MHz), 2 µV (1.705 – 30 MHz) FM (12 dB SINAD): Less than 0.5 µV (28 – 30 MHz)	SSB/CW/FSK: Less than 1 µV (100 – 500 kHz), 4 µV (500 kHz – 1.705 MHz), 0.2 µV (1.705 – 24.5 MHz), 0.13 µV (24.5 – 28 MHz), 0.13 µV (28 – 30 MHz) AM: Less than 2 µV (100 – 500 kHz), 31.6 µV (500 kHz – 1.705 MHz), 2 µV (1.705 – 24.5 MHz), 2 µV (24.5 – 28 MHz), 2 µV (28 – 30 MHz) FM (12 dB SINAD): Less than 0.25 µV (28 – 30 MHz)	SSB/CW/FSK: Less than 4 µV (500 kHz – 1.705 MHz), 0.2 µV (1.705 – 24.5 MHz), 0.13 µV (24.5 – 30 MHz) AM: Less than 31.16 µV (500 kHz – 1.705 MHz), 2 µV (1.705 – 24.5 MHz), 1.3 µV (24.5 – 30 MHz) FM (12 dB SINAD): Less than 0.25 µV (28 – 30 MHz)
Dimensions, projections not included (W x H x D)	402 x 141 x 400 mm (15.83 x 5.55 x 15.75 inch)	330 x 120 x 334 mm (12.99 x 4.72 x 13.15 inch)	270 x 96 x 271 mm (10.63 x 3.78 x 10.67 inch)

*Specifications are guaranteed for amateur bands only.



TS-50S

- Super-compact, 100-watt, 160m to 10m transceiver, 500kHz to 30MHz general coverage receiver • DDS (Direct Digital Synthesizer) with "fuzzy logic" control • AIP system • 100 memory channels • CW reverse
- Menu system



VC-H1

- Portable SSTV unit • 1/4-inch, 270,000-pixel CCD camera • 360-degree rotatable and detachable camera head • 1.8-inch TFT color LCD monitor
- Up to 10-picture memory • Built-in microphone and speaker • Connect to a Kenwood handheld, mobile or HF transceiver with an optional cable
- Computer connectivity with an optional connection kit (KCT-24S)
- Power supply: AA alkaline batteries (4)

Visual Communicator

TS-570S(G)	TS-50S
160, 80, 40, 30, 20, 17, 15, 12, 10, 6 meter amateur bands	160, 80, 40, 30, 20, 17, 15, 12, 10 meter amateur bands
500 kHz - 30 MHz, 50 - 54 MHz	500 kHz - 30 MHz
J3E (SSB), A1A (CW), F1D (FSK), F3E (FM), A3E (AM)	J3E (SSB), A1A (CW), F3E (FM), A3E (AM)
SSB/CW/FM/FSK: 100 W, AM: 25 W	SSB/CW/FM: 100 W, AM: 25 W
SSB/CW/FSK: More than 2.2 kHz (-6 dB), Less than 4.4 kHz (-60 dB)	SSB/CW: More than 2.2 kHz (-6 dB), Less than 4.8 kHz (-60 dB)
AM (wide mode): More than 4 kHz (-6 dB), Less than 20 kHz (-50 dB)	AM: More than 5 kHz (-6 dB), Less than 40 kHz (-60 dB)
FM: More than 12 kHz (-6 dB), Less than 25 kHz (-50 dB)	FM: More than 12 kHz (-6 dB), Less than 25 kHz (-50 dB)
SSB/CW/FSK: Less than 4 μV (500 kHz - 1.705 MHz), 0.2 μV (1.705 - 24.5 MHz), 0.13 μV (24.5 - 30 MHz), 0.13 μV (50 - 54 MHz)	SSB/CW: Less than 0.25 μV (500 kHz - 1.5 MHz), 0.35 μV (1.5 - 1.7 MHz), 0.25 μV (1.7 - 30 MHz)
AM: Less than 31.16 μV (500 kHz - 1.705 MHz), 2 μV (1.705 - 24.5 MHz), 1.3 μV (24.5 - 30 MHz), 1.3 μV (50 - 54 MHz)	AM: Less than 2.5 μV (500 kHz - 1.5 MHz), 3.5 μV (1.5 - 1.7 MHz), 2.5 μV (1.7 - 30 MHz)
FM (12 dB SINAD): Less than 0.25 μV (28 - 30 MHz), 0.25 μV (50 - 54 MHz)	FM (12 dB SINAD): Less than 0.5 μV (28 - 30 MHz)
270 x 96 x 271 mm (10.63 x 3.78 x 10.67 inch)	179 x 60 x 233 mm (7.06 x 2.38 x 9.12 inch)

	VC-H1
Terminals	Data I/O (for transceiver), Video in, Video out, COM (for computer), DC IN (6.0V)
CCD camera	1/4" CCD (270,000 pixels), Resolution: 512 x 492 pixels f = 4.6m/m, Focus: 50 cm - ∞ (19.7" - ∞), Aperture: auto, White balance: auto
Monitor	1.8" TFT color LCD
Dimensions, projections not included (W x H x D)	62 x 160 x 30 mm (2.4 x 6.3 x 1.2 inch)



TM-D700A

- 144MHz/440MHz dual-band operation • Dual receive on same band
- Extra-large multifunction display • Built-in 1200/9600bps TNC compatible with AX.25 protocol • APRS[®] capability • Kenwood Skycommand System (KSS) II • VC-H1 connectivity (compatible with FAST FM mode)
- DX cluster monitoring • Built-in DCS, CTCSS & 1750 tone burst
- PC programmable • Cross-band & fixed-band repeater operation
- Audible key operation and call sign announcement (requires VS-3)
- Microphone with large backlit keys



TM-742A(D)

- 144MHz/440MHz dual-band operation • Four band options to choose for tri-band operation: UT-28S, 28MHz, 50W; UT-50S, 50MHz, 50W; UT-220S, 220MHz, 25W; and UT-1200, 1.2GHz, 10W • Dual/triple receive • Microphone with large backlit keys • 101 memory channels per band • Detachable display and control panels (opt.)



TM-642A(D)

- 144MHz/220MHz dual-band operation • Four band options to choose for tri-band operation: UT-28S, 28MHz, 50W; UT-50S, 50MHz, 50W; UT-440S, 440MHz, 35 W; and UT-1200, 1.2GHz, 10W • Dual/triple receive
- Microphone with large backlit keys • 101 memory channels per band
- Detachable display and control panels (opt.)



TM-V7A

- 144MHz/440MHz dual-band operation • Dual receive on same band
- Large, cool-blue reversible LCD • Quick-release detachable front panel display • "5-in-1" programmable memory • 280 multi-function memory channels • 147-channel visual scan with pause • DTSS selective calling with page • CTCSS encoder/decoder • 1200/9600bps packet terminal
- Microphone with large backlit keys • PC programmable

FM Mobile Transceivers

	TM-D700A	TM-742A(D)	TM-642A(D)	TM-V7A
Frequency Range*	Band A TX: 144 - 147.995 MHz RX: 118 - 173.995 MHz TX (SUB UHF): 430 - 450 MHz RX (SUB UHF): 300 - 469.995 MHz RX: 220 - 249.995 MHz Band B TX: 430 - 449.995 MHz RX: 300 - 523.995 MHz TX (SUB UHF): 144 - 147.995 MHz RX (SUB UHF): 118 - 173.995 MHz RX: 800 - 1299.995 MHz (excluding cellular +frequencies)	144 MHz: TX: 144 - 148 MHz RX: 118 - 174 MHz 440 MHz: TX: 438 - 450 MHz RX: 410 - 470 MHz	144 MHz: TX: 144 - 148 MHz RX: 118 - 174 MHz 220 MHz: TX: 222 - 225 MHz RX: 215 - 235 MHz	144 MHz: TX: 144 - 148 MHz RX: 118 - 174 MHz 440 MHz: TX: 430 - 450 MHz RX: 410 - 470 MHz
Mode	A3E	F3E (FM), A3E (AM) [RX only]	F3E (FM), A3E (AM) [RX only]	F3E (FM), A3E (AM) [VHF main band RX only]
Power Consumption	Transmit: HI (25W) 8.5 A (VHF), 9.0 A (UHF) (50W) 11.0 A (VHF), 10.0 A (UHF) MID (25/50W) 5.5 A (VHF), 6.5 A (UHF) LOW (25/50W) 4.0 A (VHF), 5.0 A (UHF) Receive: Less than 1.0 A (VHF/UHF)	Transmit: Less than 11.5 A (144 MHz/13.8V DC) Less than 10 A (440 MHz /13.8V DC) Receive: Less than 1.2 A (13.8V DC)	Transmit: Less than 11.5 A (144 MHz/13.8V DC) Less than 10 A (220 MHz /13.8V DC) Receive: Less than 1.2 A (13.8V DC)	Transmit: Less than 11 A (144 MHz) Less than 10 A (440 MHz) Receive: Less than 1 A
Operating Temperature	-20° - +60° C (-4°F - +140°F)	-20°C - +60°C (-4°F - +140°F)	-20°C - +60°C (-4°F - +140°F)	-20°C - +60°C (-4°F - +140°F)
RF Output Power	HI (25W) 25W (VHF/UHF) (50W) 50W (VHF), 35W (UHF) MID (25/50 W) 10 W (VHF/UHF) LOW (25/50 W) 5 W (VHF/UHF)	144 MHz: HI = 50W MID = 10W LO = 5W approx. 440 MHz: HI = 35W MID = 10W LO = 5W approx.	144 MHz: HI = 50W MID = 10W LO = 5W approx. 220 MHz: HI = 25W MID = 10W LO = 5W approx.	144 MHz: HI = 50W MID = 10W approx. LO = 5W approx. 440 MHz: HI = 35W MID = 10W approx. LO = 5W approx.
Spurious Radiation	Less than -60 dB	Less than -60 dB	Less than -60 dB	Less than -60 dB
Selectivity	More than 12 kHz (-6 dB) Less than 28 kHz (-60 dB)	Less than 12 kHz (-6 dB) Less than 24 kHz (-60 dB)	Less than 12 kHz (-6 dB) Less than 24 kHz (-60 dB)	More than 12 kHz (-6 dB) Less than 28 kHz (-60 dB)
Sensitivity (12 dB SINAD)	Less than 0.16 µV (VHF/UHF)	Less than 0.16 µV	Less than 0.16 µV(144 MHz)/0.18 µV (220 MHz)	Less than 0.16 µV
Squelch Sensitivity	Less than 0.1 µV (VHF/UHF)	Less than 0.1 µV	Less than 0.1 µV	Less than 0.1 µV
Audio Output Level	More than 2.0W (at 8 Ω, 5% distortion)	More than 2.0W (at 8 Ω, 5% distortion)	More than 2.0W (at 8 Ω, 5% distortion)	More than 2.0W (at 8 Ω, 5% distortion)
External Speaker Impedance		8 Ω	8 Ω	8 Ω
Microphone Impedance		2 kΩ	2 kΩ	600 Ω
Dimensions (W x H x D) (projections not included)	5.51 x 1.58 x 7.68 inch [Body] (140 x 40 x 195 mm) 5.51 x 2.36 x 1.31 inch [Panel] (140 x 60 x 33.3 mm)	150 x 50 x 175 mm (5.91 x 1.97 x 6.89 inch)	150 x 50 x 175 mm (5.91 x 1.97 x 6.89 inch)	140 x 40 x 189 mm (5.52 x 1.58 x 7.45 inch)

*Specifications are guaranteed for amateur bands only.



TM-G707A

- 144MHz/440MHz dual-band operation • Wide band receive • High-visibility amber LCD showing up to 7 large alphanumeric characters
- Easy Operation mode • Quick-release detachable front panel display
- "5-in-1" programmable memory • 180 multi-function memory channels
- Memory Name function • CTCSS encoder/decoder • 1200/9600bps packet terminal • Microphone with large backlit keys • PC programmable • Excellent intermodulation rejection



TM-331A

- 220MHz single-band operation • 20 memory channels with multi-scan functions • Auto repeater offset (+ 1.6MHz) • Multi-function microphone supplied



TM-541A

- 1200MHz single-band operation • 10W RF power output • Easy-to-read, easy-to-operate illuminated keys plus large LCD • Microphone with large backlit keys • 20 multi-function memory channels plus call channel
- Selectable CTCSS tone encoder (decoder optional) • ALT (Automatic Lock Tuning) function



TM-261A

- 144MHz single-band operation • 62 multi-function memory channels with split channel memory • Meets MIL-STD for vibration and shock
- Memory Name function with 6 digits Alphanumeric Display • Menu system • Selectable CTCSS tone encoder • Microphone with large backlit keys • Wireless cloning function



TM-461A

- 440MHz single-band operation • 62 multi-function memory channels with split channel memory • Meets MIL-STD for vibration and shock
- Memory Name function with 6 digits Alphanumeric Display • Menu system • Selectable CTCSS tone encoder • Microphone with large backlit keys • Wireless cloning function

TM-G707A		TM-331A		TM-541A		TM-261A		TM-461A	
144 MHz:	TX: 144 - 148 MHz RX: 118 - 174 MHz	220 MHz:	TX: 222 - 225 MHz RX: 215 - 230 MHz	1200 MHz:	1240 - 1300 MHz	144 MHz:	TX: 144 - 148 MHz RX: 118 - 174 MHz	440 MHz:	TX: 438 - 450 MHz RX: 400 - 470 MHz
440 MHz:	TX: 430 - 450 MHz RX: 410 - 524 MHz								
F3E (FM)		F3E (FM)		F3E (FM)		F3E (FM), A3E (AM) [RX only]		F3E (FM)	
Transmit: HI	Less than 11 A (144 MHz) Less than 10 A (440 MHz)	Transmit:	Less than 10 A	Transmit: HI	Less than 6 A	Transmit:	Less than 11 A	Transmit:	Less than 10 A
MID	Less than 5.5 A (144 MHz) Less than 6.5 A (440 MHz)	Receive:	Less than 600 mA	Receive:	No signal	Receive:	Less than 600 mA	Receive:	Less than 600 mA
LO	Less than 4 A (144 MHz) Less than 5 A (440 MHz)								
Receive:	Less than 1 A								
-20°C - +60°C (-4°F - +140°F)		-20°C - +60°C (-4°F - +140°F)		-20°C - +60°C (-4°F - +140°F)		-20°C - +60°C (-4°F - +140°F)		-20°C - +60°C (-4°F - +140°F)	
144 MHz:	HI = 50W MID = 10W approx. LO = 5W approx.	220 MHz:	HI = 25W MID = 10W LO = 5W approx.	1200 MHz:	HI = 10W LO = 1W approx.	144 MHz:	HI = 50W MID = 10W LO = 5W approx.	440 MHz:	HI = 35W MID = 10W LO = 5W approx.
440 MHz:	HI = 35W MID = 10W approx. LO = 5W approx.								
Less than -60 dB		Less than -60 dB		Less than -50 dB		Less than -60 dB		Less than -60 dB	
More than 12 kHz (-6 dB)		More than 12 kHz (-6 dB)		More than 12 kHz (-6 dB)		More than 12 kHz (-6 dB)		More than 12 kHz (-6 dB)	
Less than 28 kHz (-60 dB)		Less than 24 kHz (-60 dB)		Less than 36 kHz (-60 dB)		Less than 28 kHz (-60 dB)		Less than 28 kHz (-60 dB)	
Less than 0.22 μV		Less than 0.16 μV		Less than 0.16 μV		Less than 0.16 μV		Less than 0.16 μV	
Less than 0.11 μV		Less than 0.1 μV		Less than 0.1 μV		Less than 0.1 μV		Less than 0.1 μV	
More than 2.0W (at 8 Ω, 5% distortion)		More than 2.0W (at 8 Ω, 5% distortion)		More than 2.0W (at 8 Ω, 5% distortion)		More than 2.0W (at 8 Ω, 5% distortion)		More than 2.0W (at 8 Ω, 5% distortion)	
8 Ω		8 Ω		8 Ω		8 Ω		8 Ω	
600 Ω		500 - 600 Ω		500 - 600 Ω		600 Ω		600 Ω	
140 x 40 x 189 mm (5.52 x 1.58 x 7.45 inch)		140 x 40 x 160 mm (5.51 x 1.57 x 6.30 inch)		140 x 40 x 160 mm (5.51 x 1.57 x 6.30 inch)		140 x 40 x 160.5 mm (5.51 x 1.57 x 6.31 inch)		140 x 40 x 160.5 mm (5.51 x 1.57 x 6.31 inch)	



TH-D7A

- 144/440MHz dual-band operation • DATA COMMUNICATOR; built-in 1200/9600bps TNC, APRS operation, VC-H1 control
- Kenwood Sky Command System (KSS) II for remote control of a TS-570S/D(G) or TS-870S
- TM-742A(D)/TM-V7A DTMF remote control • Dual receive on same band V + V (VHF only) for both voice and data*
- Large dot-matrix LCD (12 digits x 3 lines), multi-scroll key, menu mode • 200 memory channels with 8-character memory name input • Backlit keys • Built-in CTCSS • DTMF memory (10 ch. up to 16 digits) • MIL-STD 810C/D/E water resistance
- High-gain dual band antenna

* Not applicable for dual receive of data and data.



TH-79AKSS

- 144/440MHz dual-band operation • Kenwood Sky Command System to control a TS-570S/D(G)
- MOS FET power module • Dot-matrix LCD, guide function & menu system for easy operation
- Dual receive on same band
- Wide-range flexible antenna
- 82 non-volatile memory channels in E²PROM • ID memory & DTMF memory • Memory channel lock-out • Built-in CTCSS encode/decode • Cross-band repeater function • Wireless cloning function



TH-22AT

- 144MHz single-band operation
- MOS FET power module • Built-in Luminescent DTMF keypad
- 40 memory channels in E²PROM (plus 1 call channel) • Multiple scan functions (VFO, call & memory) • Dual scan stop modes (CO & TO) • Wireless cloning function



TH-42AT

- 440MHz single-band operation
- MOS FET power module • Built-in Luminescent DTMF keypad
- 40 memory channels in E²PROM (plus 1 call channel) • Multiple scan functions (VFO, call & memory) • Dual scan stop modes (CO & TO) • Wireless cloning function



TH-G71A

- 144/440MHz dual-band operation
- 6W (VHF), 5.5W (UHF) at 13.8V DC • PC programmable
- 200 memory channels with alphanumeric display • MIL-STD 810E (rain & shock) • CTCSS tone scan • Wide-range coverage (incl. aircraft receive) • DTMF memory (10 ch. up to 16 digits) • Multiple scan modes • Key illumination & backlit display • High-performance antenna • Selectable HI/LOW/EL power output • TM-V7A DTMF remote control • Excellent inter-modulation rejection • Powerful audio output

UBZ-LH14 FreeTalk™

- 14 channels • 38 talk groups (CTCSS) • CORDS (Communication Range Detection System) • Privacy Talk • Auto Channel Select • Large display with icons • Push-button ease-of-operation
- Available in Platinum, Yellow, Black



UBZ-AL14 FreeTalk™

- 14 channels • Large display with icons • Push-button ease-of-operation
- High-sensitivity microphone with automatic volume adjustment
- Dimensions, projections not included (W x H x D): 2-1/4 x 3-3/4 x 1-1/4 in



FM Handheld Transceivers

	TH-D7A	TH-79AKSS	TH-G71A	TH-22AT	TH-42AT	UBZ-LH14
Frequency Range*	144 MHz: TX: 144 - 148 MHz RX: 118 - 174 MHz 440 MHz: TX: 430 - 450 MHz RX: 400 - 480 MHz 144 - 148 MHz	144 MHz: TX: 144 - 148 MHz RX: 118 - 174 MHz, 438 - 450 MHz 440 MHz: TX: 438 - 450 MHz RX: 136 - 174 MHz, 438 - 450 MHz	144 MHz: TX: 144 - 148 MHz RX: 118 - 174 MHz 440 MHz: TX: 430 - 450 MHz RX: 400 - 470 MHz	144 MHz: TX: 144 - 148 MHz RX: 136 - 173.995 MHz	440 MHz: TX: 438 - 449.995 MHz RX: 438 - 449.995 MHz	462.5625 - 467.7125 MHz
Mode	F1D, F2D, F3E (FM) A3E (AM: RX 118-136 MHz only)	F3E (FM) A3E (AM: RX 118-136 MHz only)	F3E (FM)	F3E (FM)	F3E (FM)	F3E (FM)
RF Output Power	HI: 6W approx. (13.8V DC, 144 MHz) 5.5W approx. (13.8V DC, 440 MHz) 5W approx. (PB-39) 2.5W approx. (144 MHz, PB-38/BT-11) 2.2W approx. (440 MHz, PB-38/BT-11) LO: 0.5W approx. EL: 50mW approx.	HI: 5W approx. (13.8V DC/PB-34) 2.7W approx. (144 MHz: PB-32/33) 2.0W approx. (440 MHz: PB-32/33) LO: 0.5W approx. EL: 30mW approx.	HI: 6W approx. (13.8V DC, 144 MHz) 5.5W approx. (13.8V DC, 440 MHz) 5W approx. (PB-39) 2.5W approx. (144 MHz, PB-38/BT-11) 2.2W approx. (440 MHz, PB-38/BT-11) LO: 0.5W approx. EL: 50mW approx.	HI: 5W approx. (13.8V DC/ PB-34) 3W approx. (PB-32/33) LO: 0.5W approx. EL: 30mW approx.	HI: 5W approx. (13.8V DC/PB-34) 2.5W approx. (PB-32/33) LO: 0.5W approx. EL: 30mW approx.	500 mW
Selectivity	More than 12 kHz (-6 dB) Less than 28 kHz (-40 dB)	More than 12 kHz (-6 dB) Less than 28 kHz (-40 dB)	More than 12 kHz (-6 dB) Less than 28 kHz (-40 dB)	More than 12 kHz (-6 dB) Less than 28 kHz (-40 dB)	More than 12 kHz (-6 dB) Less than 28 kHz (-40 dB)	More than 12 kHz (-6 dB) Less than 28 kHz (-40 dB)
Sensitivity (12 dB SINAD)	Less than 0.18 µV (main band) Less than 0.28 µV (sub band)	Less than 0.16 µV (144 MHz) Less than 0.18 µV (440 MHz) Less than 0.25 µV (sub band)	Less than 0.18 µV	Less than 0.16 µV	Less than 0.18 µV	Less than 0.4 µV
Dimensions, projections not included (W x H x D)	54 x 119.5 x 33.5 mm (2.13 x 4.7 x 1.32 inch) with PB-38	56 x 129.5 x 24.5 mm (2.2 x 5.1 x 1.0 inch) with PB-32	54 x 112 x 33.5 mm (2.13 x 4.4 x 1.32 inch) with PB-38	56 x 116.5 x 24.5 mm (2.2 x 5.7 x 1.0 inch)	56 x 116.5 x 24.5 mm (2.2 x 5.7 x 1.0 inch)	56 x 106 x 26.5 mm (2-1/4 x 4-1/8 x 1.0 inch)

*Specifications are guaranteed for amateur bands only

Optional Accessories

HF Transceivers

	AT-50 Automatic Antenna Tuner	DRU-2 Digital Recording Unit	DRU-3A Digital Recording Unit	HS-5 Deluxe Headphones	HS-6 Small Headphones	IF-10D Interface Unit	IF-232C Interface Unit	LF-30A Low-Pass Filter	MA-5 5 Band Helical Type HF Mobile Antenna	MB-430 Mobile Mount	MC-43S Hand Microphone	MC-47 Multi-Function Microphone (8-pin)
TS-950SDX		●		●	●		●	●			●	
TS-870S				●	●		● ^{*3}	●			●	
TS-570D(G)			●	●	●		●	●	●	●	●	●
TS-570S(G)			●	●	●		●	●	●	●	●	●
TS-50S	●			● ^{*1}	● ^{*1}	● ^{*2}	● ^{*4}	●	●		●	●
	MC-60A Deluxe Desktop Microphone	MC-80 Desktop Microphone	MC-90 DSP-Compatible Desktop Microphone	PC-1A Phone Patch Controller	PG-2Y DC Cable (4m)	PG-2Z DC Cable (2m)	PG-4M Control Cable for AT-50 (6m)	PS-40 DC Switching Power Supply	PS-52 Heavy Duty Power Supply (22.5A)	PS-53 Heavy Duty Power Supply (22.5A)	SO-2 Superior Stability TCXO	SP-23 External Speaker
TS-950SDX	●	●	●	●							Built-in	
TS-870S	●	●	●	●		●		●	●		●	
TS-570D(G)	●	●	●	●		●		●		●	●	●
TS-570S(G)	●	●	●	●		●		●		●	●	●
TS-50S	●	●			●	●	●	●	● ^{*5}	● ^{*5}	●	● ^{*6}
	SP-31 External Speaker	SP-50B Mobile Speaker	SP-950 External Speaker	VP-1 Bumper Mount for MA-5	VS-2 Voice Synthesizer Unit	VS-3 Voice Synthesizer Unit	YG-455C-1 500Hz CW Filter for 455kHz IF	YG-455CN-1 250Hz CW Narrow Filter for 455kHz IF	YK-88C-1 500Hz CW Filter for 8.83MHz IF	YK-88CN-1 270Hz CW Filter for 8.83MHz IF	YK-88SN-1 1.8kHz SSB Narrow Filter for 8.83MHz IF	YK-107C 500Hz CW Filter
TS-950SDX			●		●		Built-in	●	Built-in	●	●	
TS-870S	●				●		Built-in IF filter ^{*7}	Built-in IF filter ^{*7}	Built-in IF filter ^{*7}	Built-in IF filter ^{*7}	Built-in IF filter ^{*7}	
TS-570D(G)		●				●			●	●	●	
TS-570S(G)		●				●			●	●	●	
TS-50S		●		●								●

^{*1} Needs plug-adaptor ^{*2} Works with IF-232C ^{*3} For split transfer using a transceiver other than a TS-870S
^{*4} Works with IF-10D ^{*5} When using AT-50 ^{*6} Height does not match ^{*7} Built-in Digital IF Filter, TS-870S model does not require IF filter options.

FM Mobile Transceivers

	DFK-3 Detachable Front Panel Cable (9.9ft/3m)	DFK-3C Detachable Front Panel Cable (9.9ft/3m)	DFK-4 Detachable Front Panel Kit (13.2ft/4m)	DFK-4C Detachable Front Panel Kit (13.2ft/4m)	DFK-7 Detachable Front Panel Kit (23.1ft/7m)	DFK-7C Detachable Front Panel Kit (23.1ft/7m)	DTU-2 DTMF Unit	KQT-8/TSU-6 CTCSS Unit	MB-14 Mobile Mount	MB-201 Mobile Mount	MC-52DM Backlit DTMF Microphone	MC-53DM Backlit DTMF Microphone
TM-D700A												Supplied
TM-742A(D)	●		●		●				●			Supplied
TM-642A(D)	●		●		●				●			Supplied
TM-V7A		●		●		●				● [*]		Supplied
TM-G707A		●		●		●				● [*]		Supplied
TM-261A										●		Supplied
TM-461A										●		Supplied
TM-331A							●	●		●		
TM-541A							●	●		●	Supplied	
	MC-60A Deluxe Desktop Microphone	MC-80 Desktop Microphone	MJ-88 Microphone Plug Adapter	MJ-89 Twin-Modular Mic Switch	PG-2N Power Cable	PG-3B DC Line Noise Filter	PG-4S PC Connection Cable	PG-4T VC-H1 Mobile Transceiver Connection Cable	PG-4X Extension Cable Kit	PG-5A Data Cable	PS-40 DC Switching Power Supply	SP-50B Mobile Speaker
TM-D700A	Requires MJ-88	Requires MJ-88	●	●	●	●		●	●	●	●	●
TM-742A(D)	Requires MJ-88	Requires MJ-88	●	●	●	●					●	●
TM-642A(D)	Requires MJ-88	Requires MJ-88	●	●	●	●					●	●
TM-V7A	Requires MJ-88	Requires MJ-88	●	●	●	●	●	●		●	●	●
TM-G707A	Requires MJ-88	Requires MJ-88	●	●	●	●	●	●		●	●	●
TM-261A	Requires MJ-88	Requires MJ-88	●	●	●	●				●	●	●
TM-461A	Requires MJ-88	Requires MJ-88	●	●	●	●				●	●	●
TM-331A	●	●			●	●					●	●
TM-541A	●	●			●	●					●	●
	TSU-7 CTCSS Unit	TSU-8 CTCSS Unit	VC-H1 Interactive Visual Communicator	VS-3 Voice Synthesizer Unit	UT-50S 50MHz FM Unit	UT-220S 220MHz FM Unit	UT-440S 440MHz FM Unit	UT-1200 1200MHz FM Unit				
TM-D700A		Built-in	●	●								
TM-742A(D)	●				●	●		●				
TM-642A(D)	●				●		●	●				
TM-V7A		Built-in	●	●								
TM-G707A		Built-in	●	●								
TM-261A		●										
TM-461A		●										
TM-331A												
TM-541A												

^{*} Certain restrictions on installation

Optional Accessories

FM Handheld Transceivers

	BT-9 Battery Case	BT-11 Battery Case	EMC-3 Clip Microphone with Earphone	HMC-3 Headset with VOX/PTT	KSC-8A Compact Charger	KSC-14 Rapid Charger	BC-19 Rapid Charger	PB-32 Standard Battery Pack	PB-33 Long-Life Battery Pack	PB-34 High-Power Battery Pack	PB-38 Standard Battery Pack	PB-39 High-Power Battery Pack
TH-D7A		●	●	●			●				●	●
TH-79AKSS	●		●	●	●	●		●	●	●		
TH-G71A		●	●	●			●				●	●
TH-22AT	●		●	●	●	●		●	●	●		
TH-42AT	●		●	●	●	●		●	●	●		
UBZ-LH14			●	●								
	PG-2W DC Cable	PG-3J Filtered Cigar Lighter Cord	PG-4P MCP Interface Cable	PG-4R Sky Command™ Adapter	PG-4V VC-H1 Connection Cable	PG-4W PC Connection Cable (with PC Software & In-depth Manual)	SB-2A Arm Band	SB-3 Neck Strap	SC-41 Soft Case (PB-32)	SC-43 Soft Case (PB-34, 33)	SC-45 Soft Case	SC-47B Nylon Case (Black)
TH-D7A	●	●		●	●							●
TH-79AKSS	●	●		●				●	●			
TH-G71A	●	●	●								●	
TH-22AT	●	●										
TH-42AT	●	●										
UBZ-LH14							●	●				
	SC-47OR Nylon Case (Orange)	SMC-32 Speaker Microphone	SMC-33 Remote Control Speaker Microphone	SMC-34 Speaker Mic with 3 Function Keys & Volume Control	TSU-8 CTCSS Unit	UBC-3 Desktop Charger	UPB-2 NiCd Battery Pack	USC-5B Soft Case (Black)	USC-5C Soft Case (Camouflage)	USC-5Y Soft Case (Yellow)	VC-H1 Interactive Visual Communicator	WR-2 Water Resistant Bag
TH-D7A	●	●	●	●	Built-in						●	●
TH-79AKSS		●	●	●	Built-in						●	●
TH-G71A		●	●	●							●	
TH-22AT		●	●	●	●						●	●
TH-42AT		●	●	●	●						●	●
UBZ-LH14				●		●	●	●	●	●	●	

Visual Communicator

	KCT-24S PC Connection Kit	PG-4T VC-H1 Mobile Transceiver Connection Cable	PG-4V VC-H1 Connection Cable	SC-46P Protective Case
VC-H1	●	●	●	●

The equipment meets or exceeds published specifications. Specifications are subject to change without notice due to advances in technology.

KENWOOD reserves the right to add or delete models or products without notice to maintain its competitive position in the market.

Products included in this catalog are products that were a part of KENWOOD's product line as of the date of this printing.



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