KENWOOD

TM-V708A

Peerless Performance, Raised to the Power of Two

Kenwood's astonishing TM-V708A dual-band (144/440MHz) transceiver
has a dual personality: it can receive 2 frequencies simultaneously — even on
the same band. It's packed with such convenient features as 200 memory channels,
a memory bank scan function, and a large dot-matrix LCD. And the front panel
is fully detached to allow for versatile installation in cars.

DUAL RECEIVE ON SAME BAND (VxV, UxU)

In addition to simultaneous receive on VHF and UHF bands, the TM-V708A can receive two frequencies on the very same band. This means, for example, that you can have both the call channel and local channel, or the repeater channel and local channel, on the same band.

"FIVE-IN-ONE" PROGRAMMABLE MEMORY

To suit different situations, the TM-V708A has a programmable memory that can store five entire operating profiles, ready for instant recall at the push of a button. Each profile includes such settings as positive/negative display mode, dimmer level, frequency range, and memory mode.

200 MULTIFUNCTION MEMORY CHANNELS

Enjoy capacity as well as versatility: there are 200 split memory channels for storing essential data – transmit and receive frequencies, frequency step, tone frequency, etc. And for greater convenience, you can opt to identify each channel with up to 8 alphanumeric characters (Memory Name function).

MULTIPLE SCAN

In addition to VFO scan, program scan, MHz scan, memory scan and call scan, the TM-V708A has a memory bank scan that allows you to select which of the 10 memory banks to scan. Another attractive feature is visual scan: by automatically checking above and below the frequency currently in use, and graphing the results on the LCD, this is handy for searching out open channels. Also featured are scan resume (time-operated, carrier-operated, and seek), memory channel lockout, tone scan, CTCSS scan, and DCS scan.

104-CODE DIGITAL CODE SQUELCH

In addition to CTCSS (38 EIA Standard subtone frequencies) and 1750MHz tone burst, the TM-V708A is equipped for DCS (Digital Code Squelch, 104 codes). Pick a DCS code and you can be sure that the squelch will only open for reception when the other party uses the same code.

ADVANCED INTERCEPT POINT (VHF band)

AIP is available for the 144MHz band to minimize intermod or adjacent channel interference.

SMOOTH OPERATION

Thanks to the 188x54 dot large LCD display, a wealth of information is made available in an easy-to-see format. And the multifunction keys — identified with the function key display — further enhance operating ease since only the relevant keys are labeled at any one time. And with the optional VS-3 voice synthesizer installed, key operations are audibly announced.

QUICK-RELEASE DETACHED FRONT PANEL

The smart metallic grey control panel is fully detached, so the main unit can be installed out of sight up to 3 meters away (further using the optional PG-4X extended cable kit). Special brackets are supplied for easy mounting and quick release of the panel.

OTHER FEATURES

• Wide-band receive: 118-524MHz, 800-1300MHz (excluding cellular blocked + frequencies) • Supplied MC-58DM multi-function backlit mic with DTMF • Cross-band & fix-band repeater operation • Separate VOL/SQL for A & B bands • 6-pin mini DIN connector • Rewritable call channel • S-meter squelch & hysteresis timer • Monitor function • Mute function • Automatic band change • 3-hour auto power-off • MHz mode • Selectable frequency step • Shift function • Offset (selectable) • Reverse • Auto repeater offset (on/off) • Automatic simplex checker • DTMF memory (10 channels, 16 digits) • DTMF remote control • Time-out timer • Keylock/all-lock • Memory shift • Programmable VFO • Key operation beep on/off with volume control • Mic program functions • Transceiver control via DTMF mic. • Channel display mode • Power-on message • LCD dimmer • LCD contrast control • Dual-mode reversible LCD • Auto dimmer (increases brightness during operation) • Audible frequency identification • Separate speaker terminals for each band • RF output switch • Reset (all, VFO, PM)

Specifications

GENERAL			TM-V708A
Guaranteed Range	VHF Band A	TX & RX	144 – 148 MHz
	UHF Band B	TX & RX	438 – 450 MHz
Frequency Range	Band A	TX	144 – 148 MHz
		RX	118 – 200 MHz
		TX (SUB UHF)	438 – 450 MHz
		RX (SUB UHF)	300 – 470 MHz
		RX	200 – 300 MHz
	Band B	TX	430 – 450 MHz
		RX	300 – 524 MHz
		TX (SUB VHF)	144 – 148 MHz
		RX (SUB VHF)	136 – 175 MHz
		RX	800 – 1300 MHz (excluding cellular band)
Mode			F2D, F3E
Antenna Impedance			50Ω
Power Requirement			DC13.8V ±15% (minus)
Operating Temperature Range			-20° ~ +60° C
Frequency Stability			Within ±5ppm (-10°~ +50°C)
Current Drain	Transmit	VHF HI	Less than 11.5A
		MID	Less than 5.5A
		LOW	Less than 4.0A
		UHF HI	Less than 10.0A
		MID	Less than 6.5A
		LOW	Less than 5.0A
	Receive		Less than 1.0A
Dimensions (W x H x D)	Without protrusions	Panel	5.51" x 2.36" x 1.31" (140 x 60 x 33.3 mm)
		Body	5.51" x 1.58" x 7.68" (140 x 40 x 195 mm)
	With protrusions	Panel	5.51" x 2.36" x 1.94" (140 x 60 x 49.3 mm)
		Body	5.51" x 1.61" x 7.68" (140 x 41 x 195 mm)
Weight (approx.)		Panel	0.41 lbs. (180 g)
		Body	2.6 lbs. (1.2 kg)

TRANSMITTER			TM-V708A
RF Output Power	HI	VHF / UHF	50W / 35W
	MID	VHF / UHF	Approx. 10W / Approx. 10W
	LOW	VHF / UHF	Approx. 5W / Approx. 5W
Modulation			Reactance Modulation
Maximum Frequency Deviation			Within ±5kHz
Supurious Radiation			Less than -60dB
Modulation Distortion (300Hz ~ 3kHz)			Less than 3%
Microphone Impedance			600Ω
RECEIVER			
Circuitry			Double Super Heterodyne
Intermediate Frequency	1st IF (VHF/UHF)		38.85MHz / 45.05MHz
	2nd IF (VHF/UHF)		450kHz / 455kHz
Sensitivity	VHF/UHF		Less than 0.16µV
	SUB Band: VHF/UHF		Less than 0.25µV
Squelch Sensitivity	VHF		Less than 0.1µV
	UHF		Less than 0.1µV
Selectivity	-6dB		More than 12kHz
	-40dB		Less than 28kHz
Low Frequency Output (8Ω)			More than 2W (at 5% distortion)

Kenwood reserves the right to change specifications and features without prior notice. These specifications are guaranteed for American Bands only.

Optional Accessories

MC-58DM Microphone with DTMF
MC-60A Desktop Microphone (Requires MJ-88)
SP-50B External Speaker
KPS-15 DC-Switching Power Supply
MJ-88 Microphone Plug Adaptor

PG-5A Data Cable
PG-4X Extension Cable Kit
PG-3B Noise Filter
PG-2N DC Cable
VS-3 Voice Synthesizer Unit

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.

ISO 9001 / UKAS QUALITY MANAGEMENT
JQA-QMA1205 091-A
ISO9001 Registered
Communications Equipment Division
Kenwood Corporation
ISO9001 certification

ADS#112704 Printed in USA