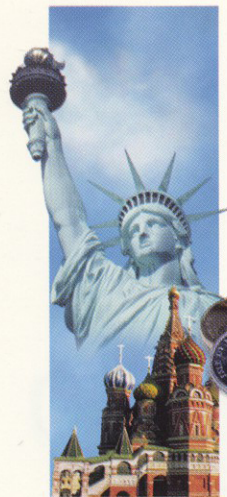


OUT OF
THIN
AIR AND INTO
THE THICK
OF THINGS.



DRAKE



WORLD CLASS QUALITY YOU CAN HEAR.

Turn it on, tune it in, and as easy as that, you're hearing world events as they happen...uncensored and complete. And with the R8A's astounding clarity, it's almost as if you're there. In fact, no other communications receiver puts you closer to the action from the most distant parts of the world. If you're a hobbyist, you'll marvel at the R8A's simplicity of operation. If you're an expert, you'll admire the high-powered features. The Drake R8A offers superior performance in a complete package that includes built-in filters and other unique features that have made Drake the foremost name in world band communications. Hailed by leading world band experts for technological excellence, Drake communications receivers are packed with features that you won't find anywhere else, even in receivers costing hundreds of dollars more. As our crowning achievement, the Drake R8A takes this reputation as a top world band value to the next level with added refinements.

- Excellent reception of weak signals in the presence of strong signal congestion
- A power supply that allows operation virtually anywhere
- Flexibility of operating modes
- Wide frequency range
- Coverage of all world bands, including amateur and marine
- Excellent dynamic range
- Uncommonly sensible ergonomics, including keypad entry of all functions and large, legible controls
- And something you'll find nowhere else — the uncompromising Drake standard of quality in materials, craftsmanship, and serviceability.
- Give the Drake R8A a listen...because hearing is believing.

Immediate recognition of a programmed broadcast station is possible with the R8A alphanumeric display.

THE DRAKE R8A FEATURES

- A seven character alphanumeric liquid crystal display provides for customized display of memory channel name in addition to frequency. Display also indicates status of selected operating parameters.
- Direct entry of mode and bandwidth selection via keypad for easy and quick selection of receiver operating parameters.
- Synchronous detector for improved quality of received AM signals, especially under severe fading conditions.
- Wide frequency coverage (100 kHz to 30,000 kHz). Additional VHF bands (35-55 MHz and 108-174 MHz) with optional VHF converter.
- Five built-in bandwidths for reception of signals under virtually any conditions.

- Non-volatile memory for information retention during power outage.
- 440 channel memory capacity for storing of frequency, band, and mode data.
- Selectable kHz or MHz modes for entering and displaying frequency.
- Multiple scan function, for scanning by carrier, time, or seek modes of frequency or selected memories.
- Two operating VFOs for increased flexibility and convenience.
- Built-in pre-amp and attenuator for improved reception of extremely weak signals, as well as very strong signals.
- Built-in noise blanker for reduced electrical interference.
- Passband offset for reduction of nearby interfering signals while maintaining maximum intelligibility.
- Selectable AGC delay for improved reception of fading signals.
- Built-in multi-voltage power supply for operation in most parts of the world on nearly any type of power line voltage.
- RS232C serial interface for remote control of receiver functions. Responds with signal level report.
- Removable power cord.
- Two clock timers.
- Sequential tuning through all memory preset channels.
- Built-in speaker.
- PLL synthesized.
- Multiple antenna inputs.
- Connections for an external speaker and tape recorder.
- Made in the U.S.A.



Advanced ergonomic design allows for direct selection of bandwidth and mode.

DRAKE
For a World of Difference.

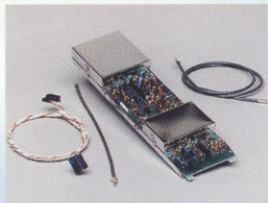


THE DRAKE R8A ACCESSORIES



MS8 Matching Speaker for R8A

The Drake R8A receiver includes a high-quality internal speaker, but many listeners prefer the MS8 external speaker. The MS8 is custom-designed for enhanced shortwave audio fidelity. From music to news, you can hear the difference. The separate MS8 complements the R8A to produce a great sounding matched set. The dimensions are 5-1/4" H x 6-7/16" W x 6-3/4" D.



VHF Converter (35–55 MHz and 108–174 MHz)

The optional VHF Converter offers Low VHF (35 to 55 MHz) and High VHF (108 to 174 MHz) coverage. With this accessory installed in the R8A, you'll hear amateur, business, police, fire, marine, weather, and aircraft communications. The VHF Converter mounts internally and should be installed by a qualified technician or by the factory.

Price, features, or specifications are subject to change without notice or obligation. A copy of these products' limited warranties are available upon request.

THE DRAKE R8A SPECIFICATIONS



Frequency Range:	100–30,000 kHz
Modes:	AM, LSB, USB, CW, RTTY, FM
Sensitivity: SSB, CW:	Typical 0.5 μ V, 0.100–30,000 kHz (10 dB S+N/N) Less than 0.25 μ V, 100–30,000 kHz (pre-amp on)
Sensitivity: AM:	Typical 1.5 μ V, 100–30,000 kHz (10 dB S+N/N) Less than 0.8 μ V, 100–30,000 kHz (pre-amp on)
(1000 Hz, 30% mod)	
Sensitivity: FM (12 dB SINAD):	Less than 0.5 μ V, 100–30,000 kHz
Frequency Stability:	\pm 5 ppm, -10° to 50° C
Frequency Accuracy:	Better than \pm 100 Hz, -10° to 50° C
Selectivity: AM, LSB, USB,	6 kHz @ -6 dB, less than 12 kHz @ -60 dB
RTTY, CW modes:	4 kHz @ -6 dB, less than 8 kHz @ -60 dB 2.3 kHz @ -6 dB, less than 4.5 kHz @ -60 dB 1.8 kHz @ -6 dB, less than 3.6 kHz @ -60 dB 500 Hz @ -6 dB, less than 1.5 kHz @ -60 dB
FM Only:	12 kHz @ -6 dB, less than 25 kHz @ -60 dB
Ultimate Selectivity:	Greater than 95 dB
Image Rejection:	Greater than 80 dB, 100–30,000 kHz
IF Rejection:	Greater than 80 dB, 45 MHz Greater than 100 dB, 50 kHz
Dynamic Range:	95 dB, 100–30,000 kHz @ 20 kHz spacing, 2.3 kHz IF BW (pre-amp on) 99 dB, 100–30,000 kHz @ 20 kHz spacing, 2.3 kHz IF BW (pre-amp off)
Intercept Point:	+20 dBm @ 20 kHz spacing (pre-amp off) +10 dBm @ 20 kHz spacing (pre-amp on) Greater than -20 dBm @ 5 kHz spacing
First IF:	45 MHz
Second IF:	50 kHz
AGC Performance	
Threshold:	0.8 μ V
Attack Time:	1 mS
Release Time:	SLOW: 2 Sec – FAST: 300 mSec Less than 4 dB change in audio output for 100 dB input change ref. AGC threshold
Antenna 1, Converter:	50 Ohms unbalanced
Antenna 2:	50 or 500 Ohms unbalanced
Notch Filter Attenuation:	AF type, 40 dB min. Depth (500–5000 Hz)
External Speaker Output:	2.5 W, 4 Ohms @ less than 5% distortion
Line Outputs:	300 mV, 4.7 K Ohms
AC Power Requirements:	100/120/200/240 VAC, \pm 10% 50 or 60 Hz, 40 Watts nominal
DC Power Requirements:	11–16 VDC @ 2 amp
Operating Temperature:	-10° to $+50^{\circ}$ C
Weight:	13 lbs. (5.9 kg)
Size:	Height 5-1/4" (13.4 cm) including feet Width 13-1/8" (33.4 cm) Depth 13" (33 cm) including front knobs and rear connectors



DRAKE

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