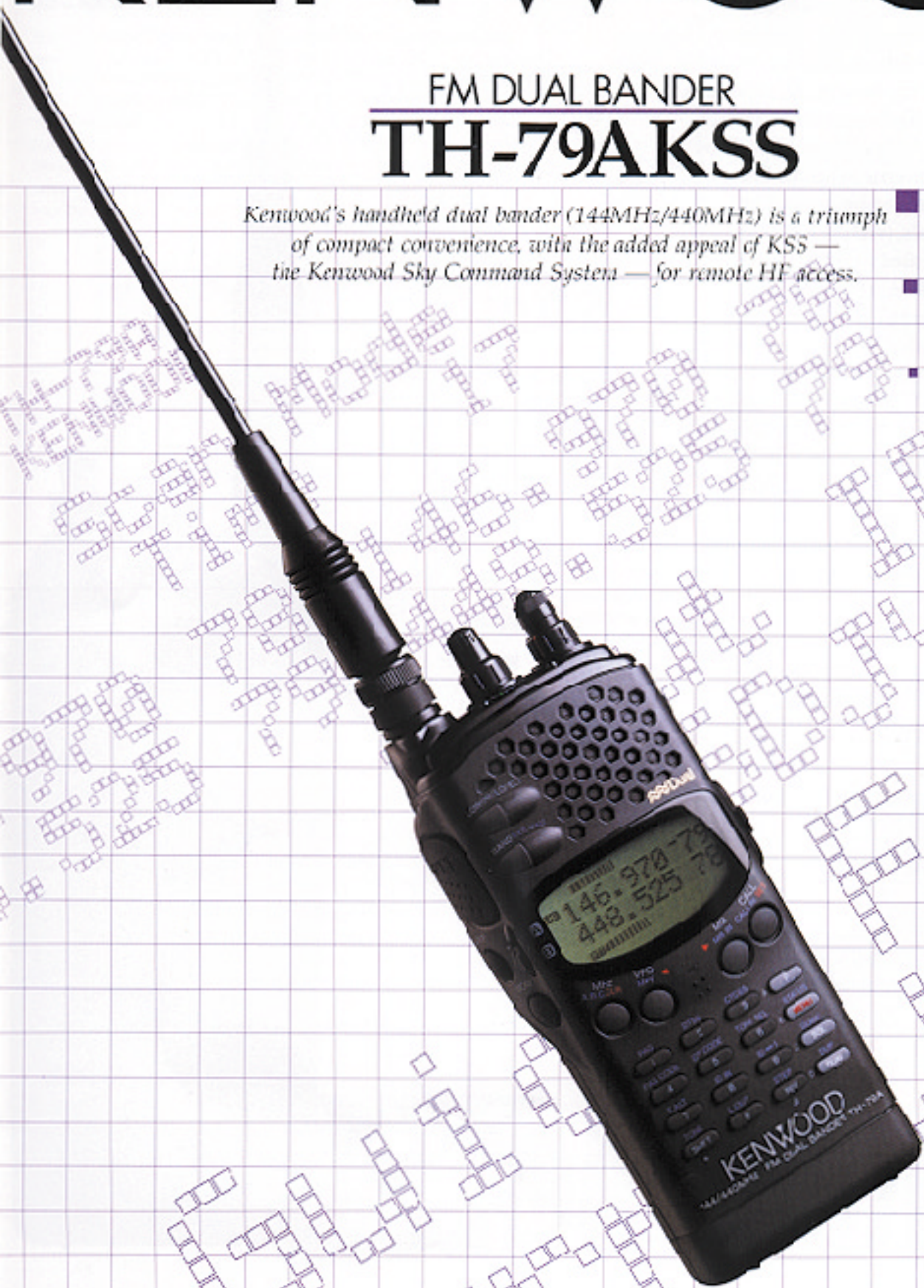


KENWOOD

FM DUAL BANDER TH-79AKSS

Kenwood's handheld dual bander (144MHz/440MHz) is a triumph of compact convenience, with the added appeal of KSS — the Kenwood Sky Command System — for remote HF access.



Passport to freedom: Kenwood's new TH-79AKSS handheld transceiver offers the optimum combination of operating ease and powerful performance in a compact, lightweight design. And it's clear at first glance: this slim-line FM dual bander (144MHz/440MHz) sports a dot-matrix LCD providing alphanumeric access to a unique guide function as well as a user-friendly menu system. Other features include 82 non-volatile memory channels with ID, DTSS and page functions, and a DTMF memory function for auto-dial operation. Full-duplex operation is available, along with the ability to receive two frequencies on the same band (VHF+VHF or UHF+UHF) simultaneously. And, last but not least, the TH-79AKSS is compatible with KSS — the Kenwood Sky Command System — for remote control of HF transceivers. Handheld communications will never be the same again.

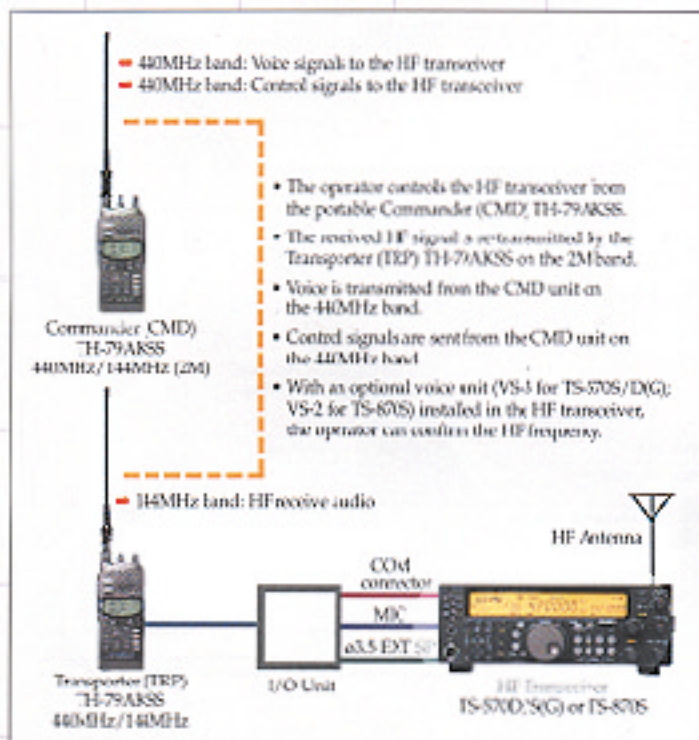


Kenwood Sky Command System

The Kenwood Sky Command System (KSS) effectively puts an HF transceiver in your hand, allowing you to relax in your lounge or backyard while controlling the TS-570S/D(G) or TS-870S in your shack. Or you could be sitting at a baseball game while operating the HF transceiver safely installed in your car.

But it's not just freedom you'll enjoy. KSS is simple and intuitive, yet amazingly powerful. One TH-79AKSS (the Transporter) is wired to your HF transceiver, while you carry a second TH-79AKSS (the Commander). The Commander transmits control signals on UHF to the Transporter, which also relays your voice to the HF radio. In return, HF signals are transmitted to the Commander on VHF. This allows you to transmit and receive HF signals, set frequencies, switch memory channels, and much more — all from your handheld transceiver.

KSS is also available for the TH-79AEL; contact your dealer for details.



FET power module

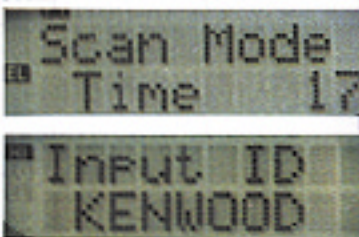
Equipped with a high-efficiency FET power module, the TH-79AKSS is extraordinarily slim and lightweight. Lower voltage requirements mean improved reliability and longer operating time per charge.

144MHz/440MHz dual-band operation

Despite its compact design, the TH-79AKSS offers extensive dual-band functions, including full-duplex operation and the ability to simultaneously receive two frequencies even on the same band (VHF+VHF or UHF+UHF). In addition, A.B.C. (automatic band change) ensures that the transceiver will switch automatically between main and sub bands when a signal is present.

Dot-matrix LCD & menu system

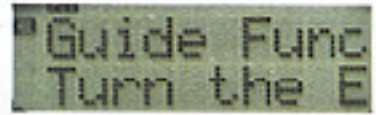
Making its debut on handheld transceivers, the dot-matrix display greatly improves user-friendliness since there are no limitations on the variety of messages it can handle. In addition to frequency data, this can be used to access a menu system



with full alphanumeric display of functions and settings. The operator can also scroll through a summary of current operational status.

Guide function

This transceiver can be used right out of the box. In fact, there's no need to carry the manual because of the innovative guide function — simple operating instructions that appear in the display at the touch of a button.



Wide-range flexible antenna

Not your average ducky, the supplied quarter-wave flexible antenna provides superior transmit and receive performance on both ham bands, and ensures great reception over the TH-79AKSS's extended receive range — including airband, the weather channel and other service frequencies.

82 non-volatile memory channels with ID

The TH-79AKSS has 82 memory channels (including 2 call channels) — all capable of storing transmit and receive frequencies independently, thus allowing split-frequency operations. For greater convenience, an alphanumeric ID (max. 7 characters) can be recorded to identify each of the channels. Memory shift and memory clear functions further improve operating ease. And since all data is stored in non-volatile EPROM, no back-up battery is needed.

Multiple scan modes

As well as full band and dual programmable band scans, there is MHz scan and memory scan with programmable memory channel lock-out. Both carrier-operated and time-operated scan stop modes are provided.

DTMF keypad with DTMF memory function

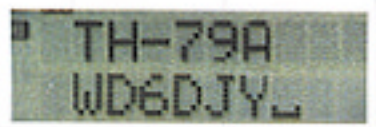
The built-in DTMF keypad enables direct frequency entry (in VFO mode) and direct recall of memory channels (in MR mode). It is also possible to store up to 10 different 15-digit (maximum) DTMF codes with ID for auto-dial and autopatch use.

DTSS (Dual-Tone Squelch System) with page

DTSS opens the squelch to allow DTMF access to the receiver, while the page function will alert the operator to an incoming call (this can be switched off automatically with the correct paging code).

Power-on call sign display

The TH-79AKSS can be personalized so that the operator's own call sign (up to 7 characters) is displayed when the unit is turned on.



Built-in CTCSS tone encoder/decoder

Selectable dual- and single-band operation

Tone alert system with elapsed time indicator

Cross-band repeater function

Clone function

Page answer-back function

Channel display function

Auto repeater offset (VHF)

Input overvoltage warning

Lock functions

3-position output power control (High, Low, Economy Low)

Auto power-off and battery save function

Modifiable for MARS/CAP*

*Terms required for MARS and CAP use. Specifications guaranteed for Amateur bands only.

Smart Move

Optional Accessories

SC-41
Soft Case for use with PB-32



SMC-32
Speaker
Microphone



SC-43
Soft Case for use with
PR-31/4



SMC-33
Remote Control
Speaker
Microphone



PB-32
Standard NiCd Battery Pack
(6 V, 600 mAh)



SMC-34
Speaker
Microphone with
3 Function keys
& Volume Control



PB-33
Long-Life NiCd
Battery Pack
(6 V, 1200 mAh)



EMC-3
Clip Microphone
with Earphone



PB-34
High-Power NiCd
Battery Pack
(9.6 V, 600 mAh)



PG-3J
Filtered Cigarette
Lighter Cord



BT-9
Battery Case for
4 AA-size Batteries



PG-2W
DC Cable



PG-4R
Sty Command™
Adapter



BH-6
Swivel Mount



WR-2
Water-resistant
Soft Case



KSC-14
Rapid Charger



EMC-3
Headset with
VON/PTT



KSC-8A
Compact Charger



VC-H1
Interactive Visual
Communicator



Specifications

		TH-79AKSS	
GENERAL			
Frequency range	114 MHz 440 MHz	DC Tx: 144 - 148 MHz 118 - 171 MHz 435 - 450 MHz Tx: 435 - 450 MHz Rx: 435 - 450 MHz 135 - 171 MHz	
Mode	FSE (FM), A3E (AM FSK 118-138 MHz)		
Operating voltage	5.5 - 16.0V DC (13.5 V DC standard, 4.5 - 15.0V DC @ V DC standard)		
Current drain (approx.)	Transmit: HI (13.8 V, PB-32/33) LO (5 V, PB-32/33) EL (6 V, PB-32/33)		
Receive	1.3 A (144 MHz) 1.5 A (440 MHz) 0.6 A 300 mA approx. 80 mA approx. 20 mA		
Battery save mode			
Ground	Negative		
Operating temperature range	-4° F to +140° F (-20° C to +50° C)		
Antenna impedance	50 Ω		
Microphone impedance	2kΩ		
Dimensions (W x H x D)	2-3/16 x 5-1/8 x 1 in. (56 x 129.5 x 25.5 mm) with PB-32 battery		
Weight (net)	0.7 lbs. (320 g) with PB-32, antenna, belt hook, and hand strap		
TRANSMITTER			
RF output power	HI (13.8 V) HI (5.5 V, PB-34) HI (5 V, PB-32/33)		
LO EL	5W approx. 5 W approx. 2.7 W (144 MHz) approx. 2 W (440 MHz) approx. 0.5 W approx. 30 mW		
Modulation	Reactance modulation		
Frequency tolerance	Within ±10 ppm (+14° F to +122° F) Within ±15 ppm (-4° F to +140° F)		
Maximum frequency deviation	±5 kHz		
Spurious radiation	HI LO EL		
Modulation distortion	Less than -60 dB Less than -50 dB Less than -40 dB		
RECEIVER			
Circuitry	Double conversion superheterodyne		
Intermediate frequency	1st IF 2nd IF		
Sensitivity (12 dB SINAD)	Main bands Sub band		
Selectivity	±6 dB ±60 dB		
Spurious response	Less than 12 kHz Less than 25 kHz		
Squelch sensitivity	Less than 0.1 μV		
Audio output level	Greater than 200 mW at 8 Ω, 10% distortion		

Kenwood follows a policy of continuous advancement in development.
For this reason specifications may be changed without notice.
These specifications are guaranteed for Amateur bands only.



**ISO 9001
JQA-1205**

Communications Equipment Division
Kenwood Corporation
ISO9001 certified

KENWOOD CORPORATION

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