

ALINCO

HF Commercial Transceiver

DX-801

SIMPLE, CLEAN, DEPENDABLE.



Engineered for satisfaction - Alinco's DX801 sets a new industry standard for commercial HF Transceivers, offering simple operation with up-to-minutes technology.

FULL COVERAGE: The reliable DX-801 features full transmit and receive coverage of all HF bands 1.6000 through 29.9999MHz.

ALL MODES: Not only traditional SSB/AM, but DX801 operates in crisp-sounding FM and GMSK digital-voice modes* for the highest communication security!

COMPACTNESS: The DX801 is so small, it can be positioned anywhere in a vehicle or office, occupies minimal clearance leaving you plenty of comfortable operating space.

SIMPLE OPERATION: The command keys are laid out to enable intuitive operation, so there is no need to spend hours studying the manual.

101 CHANNELS and VFO MODE: DX801 offers two operating modes. A programmable CHANNEL mode stores up to 100CH and 1 quick-recall CH. Each channel can memorize TX/RX frequencies, initial power setting and mode. In simplified VFO mode the

operator can select the frequency freely through the dial.**

CLONING CAPABILITY: The operating channels can be programmed either from the front panel keyboard or from another preprogrammed DX801 through the optional ERW-5 for cloning multiple units.

3 DISPLAY MODES: DX801 can display either the channel-only, channel-and-frequency or frequency-only with 6 levels of illumination dimmer, from Off to Brightest.

HIGH STABILITY: The TCXO provides superb frequency stability of 0.5ppm and meets professional specifications around the world.

SELECTABLE RF GAIN: The user-selectable receiver gain control with a choice of +10dB, 0dB, -10dB and -20dB.

MONITOR FUNCTION: The Check key lets you monitor the transmitting frequency by just a touch of a button,

opening the squelch temporary.

FLEXIBLE INSTALLATION: A tilt-up stand comes standard for the Desktop operation. With using optional accessories such as EBC-9 mobile-bracket, EBC-8 front-unit bracket and EDS-4/EDS-5/EDS-6 cables, DX801 can be securely and safely installed in a vehicle thanks to its detachable front-control unit.

MORE FEATURES: Additional features include RIT, Noise-blanker, Handheld microphone with UP/DOWN keys, Dial-lock, External-speaker/headphone ports and ALC relay port.

* Where permitted. An optional EJ53U or 54U required.

** Not recommended to operate in VFO mode permanently due to the mechanism of the main dial.



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INCORPORATED
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SPECIFICATIONS

General

Frequency coverage	Receiver: 0.5~29.9999MHz continuous Transmit: 1.6000~29.9999MHz continuous
Mode	J3E (USB,LSB),A3E(AM),F3E(FM),F1E(DIGITAL)(optinal)
Usable temperature	-10°C ~+60 °C
Frequency Stability	± 2.0 ppm
Antenna Impedance	50 Ω unbalanced
Power supply	13.8V DC ±15%
Number of memories	100 channels simplex or semi-duplex + CALL channel (TX RX split frequency memory)
Current drain (13.8V DC)	Transmit 20A Receive 1.2A
Dimensions	W178 x H58 x D228mm (Projections not included) (W7.0 x H2.3 X D9.0 inches) W179 x H71 x D268mm (W7.1 x H2.3 X D10.6 inches)
Weight	Approx. 2.7kg (6.0lb)

Transmitter

Output power	J3E(USB,LSB) 1.6~29.9999MHz 100W (Low 10W) A3E(AM) 1.6~29.9999MHz 40W (Low approx. 4W) F3E(FM) 1.6~29.9999MHz 100W (Low 10W)
Spurious emissions	Less than -40dB
Carrier suppression	More than 40dB
Unwanted sideband	More than 50dB (1kHz)
Modulation system	SSB Balanced AM Low power modulation FM Variable reactance DIGITAL GMSK reactance
Microphone Impedance	2kΩ

Receiver

Sensitivity	J3E (1.8~30MHz) -12dBμ (0.25μV) S/N 10dB (0.5~1.8MHz) 0dBμ (1μV) S/N 10dB A3E (1.8~30MHz) +6dBμ (2μV) S/N 10dB (0.5~1.8MHz) +20dBμ (10μV) S/N 10dB F3E (28~30MHz) -6dBμ (0.5μV) SINAD 12dB
Selectivity	J3E 2.4kHz/-6dB 4.5kHz/-60dB A3E,F3E 9kHz/-6dB 20kHz/-50dB
Intermediate frequency	1st 71.75MHz 2nd 455kHz
Spurious and image rejection ratio	More than 70dB
Audio output power	More than 2.0W (8Ω,10%) 4W(4Ω,10%)
RIT variable range	±1.4kHz or ±0.2kHz (dealer programmable)

Optional accessories

EDX-2	DM330 MVT/MVZ/MVE	EMS-14	EBC-8	EBC-9	EDS-4	EDS-6	EDS-5	ERW-5	EJ-53U*	EJ-54U*
automatic long-wire tuner	30A-class power supplies	Desktop microphone	Front-control unit bracket	Main-unit bracket	Separation cable (1.5m)	Separation cable (4.5m)	Microphone extension cable	Cloning cable	GMSK Voice-modem unit	GMSK Voice-modem unit

* Where permitted.

- 1) POWER SW**
Press to turn on/off the power.
- 2) DIMMER SW**
Press to change the illumination brightness.
- 3) HIGH/LOW**
Toggles the transmitter output power High and Low.
- 4) TUNE**
Press to start antenna tuning.(if an optional auto-tuner is used.)
- 5) DISPLAY**
Large display shows Channel Numbers and/or Channel Numbers and Frequencies. Also S-meter, RF output, etc.
- 6) CHECK**
Press this button to monitor your transmitting frequency.
- 7) CALL**
Quick access to the CALL Channel.
- 8) TX/RX LAMPS**
Lights red while transmitting, lights green while receiving. Can be turned off for naigation in the dark.
- 9) MAIN DIAL**
Channel selection switch, a maximum of 101 channel memories. Each channel can be used for simplex, semi-duplex, or receiving only.
- 10) DIAL LOCK**
Locks the main dial.
- 11) SQUELCH**
Sets the squelch level.
- 12) NB**
Toggles the noise blanker on/off.
- 13) RF/ATT**
Press to change the receiver gain +10dB/0dB/-10dB/-20dB.
- 14) RIT(Clarifier)**
To fine tune the receiver frequency.
- 15) AF GAIN**
Audio volume control.
- 16) MIC**
Microphone connector (hand mic. comes sandard with the DX-801)



Authorized Dealer:

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