

# ALINCO

## HF + 50MHz 100W ALL MODE TRANSCEIVER

# DX-70

Alinco has released the world's most compact HF + 50MHz transceiver to date. The DX-70's completely detachable front panel and the optional remote mount accessory kit are available to suit a wide range of applications. The DX-70 includes a separate multi function dial that can change bands, memory channels and channel spacing. The DX-70 gives you exceptional value with powerful CW operation, and 100 split memory channels.

## Alinco Introduces The World's Smallest HF Transceiver Packed With Versatile Features That All Hams Value.

### • Super Compact Body

178(7")W x 58(2 1/4")H x 228(9")D mm (approx. without projections) with completely detachable front control head lets you install the radio with greater flexibility whether in your car or in your shack.

### • Improved Operation Assisted by the Sub-Dial

While the main dial tunes at the fixed 5kHz/rotation (SSB/CW), the sub-dial is used for fast change, band selection, and/or memory selection. Avoid unintended band change or mistuning by forgetting to set back the main dial functions.

### • QRM Eliminators come standard

Reject the unwanted signals with the IF shift. Choose "narrow" on SSB, CW, or AM; turn RIT (or TXIT if you prefer) and stay out of QRM.

### • The CW performances emphasized

You can receive CW signals by either the upper or lower side of the carrier frequency. Choice of

split, filter, AGC, RF Gain, and Noise Blanker settings.

### • Quick Offset

DX: "CQ CQ CQ de ... listening up ten"  
You: (press/hold SPLIT; LCD shows 0.0000; turn DIAL to 0.0100; Now CALL! No adding/ subtracting in your head.)



### • Speech Compressor

More talk power from the tiny DX-70. Be recognized without having a sore-throat.

### • SCAN modes

Timed scan: The timer can be set with a choice of 0, 2, 4, and 6 second.

Group scan: Scans within a memory group. Total



### • HF bands + 50MHz band Operation

Covers the 160 meter to 6 meter amateur bands at 100W output.\* Separate antenna terminals for HF and 6 meters.

\*Varies with version. See specifications on the reverse side.

### • Operation modes include SSB, CW, AM, and FM

For data communications press FUNC + SSB for higher pitch passband. Don't forget that FM comes standard also; try hitting your local 10m and 6m repeaters.

### • Wide range General Coverage Receiver

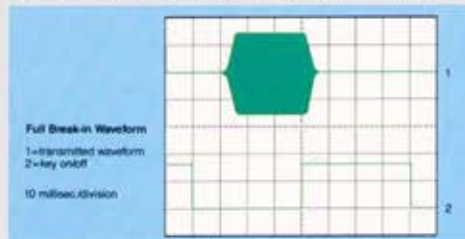
The general coverage receiver covers 150kHz to 30MHz and 50MHz to 54MHz.

Receiving modes: SSB, CW, AM, FM

side-tone pitch. Break-in: You can select from FULL (QSK), Semi, or Auto (delay automatically adjusted with speed).

### • 100 Memories

Each memory remembers frequency, mode,



of 10 memory groups.

### • RF Gain

Selectable RF Gain: +10dB, 0dB, -10dB, and -20dB.

### • Your Choice of Settings and Functions

LCD light dimmer, AGC, Fast-tune-pitch, Power H/L, BEEP ON/OFF, Auto-Power-Off ON/OFF, Memory-protect, All Mode Squelch, VFO/A=VFO/B, Memory=VFO

### • OPTIONS

EDX-1 Manual Antenna Tuner, EDX-2 Automatic Antenna Tuner, EDS-4 Front Control Remote Cable, EBC-9 Underdash Bracket, EBC-8 Front Control Bracket, EDS-5 Microphone Extension Cable, EJ-26U CTCSS Encoder (comes standard in DX-70T U.S. Version)

## SPECIFICATIONS

Spec.	Model	DX-70	
<b>General</b>			
Frequency coverage	Receiver	150kHz - 30MHz	50MHz - 54MHz
	Transmit	1.8000 - 1.9999MHz	18.0680 - 18.1679MHz
		3.5000 - 3.9999MHz	21.0000 - 21.4499MHz
		7.0000 - 7.2999MHz	24.8900 - 24.9899MHz
		10.1000 - 10.1499MHz	28.0000 - 29.6999MHz
14.0000 - 14.3499MHz	50.0000 - 53.9999MHz		
Operation mode	J3E (USB, LSB), A1A (CW), A3E (AM), F3E (FM)		
Operating temperature	-10°C - +60°C / +14°F - +140°F		
Frequency stability	± 10 ppm -10°C - +50°C / +14°F - +122°F		
Antenna impedance	50 ohms unbalanced		
Power requirement	13.8V DC ± 15%		
Number of memory	100 ch (split memory)		
Current drain (at 13.8V DC)	Transmit	in High Power setting .... approx. 20A max.	
	Receive	Squelched .... approx. 0.8A Max. audio output .... approx. 1A	
Dimensions	178(W) × 58(H) × 230(D) (in mm) (Projections not included) 7(W) × 2 <sup>1</sup> / <sub>4</sub> (H) × 9 <sup>1</sup> / <sub>20</sub> (D) (in inches)		
Weight	Approx. 2.7kg (Approx. 6.0 lbs)		
<b>Transmitter</b>			
Power output	SSB, CW, FM	1.8MHz - 30MHz .... 100W (50W switchable) 50 - 54MHz .... 100W (EH/TH versions)/10W (other versions)	
	AM	1.8MHz - 30MHz .... 40W 50 - 54MHz .... 40W (EH/TH versions)/4W (other versions)	
Spurious emissions	Less than -45dB (10MHz) Less than -50dB (1.8MHz - 30MHz) Less than -60dB (50MHz - 54MHz)		
Carrier suppression	More than 40dB		
Sideband suppression	More than 50dB (at 1kHz)		
Modulation system	SSB .... Balanced AM .... Low level modulation FM .... Variable reactance		
<b>Receiver</b>			
Receive circuitry	Double Conversion Superheterodyne		
Sensitivity	SSB, CW (1.8 - 54MHz) better than -12dB <sub>μ</sub> (0.25 <sub>μ</sub> V) at S/N 10dB (0.5 - 1.8MHz) better than 0dB <sub>μ</sub> (1 <sub>μ</sub> V) at S/N 10dB		
	AM (1.8 - 54MHz) better than +6dB <sub>μ</sub> (2 <sub>μ</sub> V) at S/N 10dB FM (28 - 30MHz) better than -6dB <sub>μ</sub> (0.5 <sub>μ</sub> V) at 12dB SINAD (50 - 54MHz) better than -10dB <sub>μ</sub> (0.3 <sub>μ</sub> V) at 12dB SINAD		
Selectivity	SSB, AM-Narrow	2.4kHz/-6dB, 4.5kHz/-60dB	
	SSB-Narrow, CW-Wide	1.0kHz/-6dB, 3.0kHz/-60dB	
Intermediate frequency	CW-Narrow	500Hz/-6dB, 3.0kHz/-60dB	
	AM-Wide, FM	9kHz/-6dB, 20kHz/-50dB	
Spurious and image rejection ratio	1st .... 71.75MHz 2nd .... 455kHz More than 70dB		
Audio output power	More than 2.0W (at 8 ohms, 10% THD)		
RIT/TXIT range	± 1.4kHz		

\*Specifications are subject to change without notice or obligation.  
\*Specifications guaranteed in the amateur bands only.

## OPTIONS



EDX-1 Manual Antenna Tuner



DM-1350T (120V AC)  
DM-1350Z (220V AC)  
Regulated DC Power Supply



EBC-9 Mobile Underdash  
Bracket (for DX-70/EDX-1)



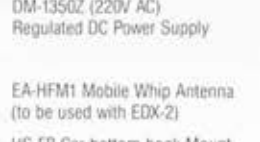
EDS-4 (1.5meter)/EDS-6 (4.5meter)  
Front Control Remote Cable



EMS-14 Desktop Microphone



EDX-2 Automatic Antenna Tuner



EA-HFM1 Mobile Whip Antenna  
(to be used with EDX-2)  
HS-FB Car-bottom-hook Mount  
(for EA-HFM1)



EDS-5  
Microphone Extension Cord



EBC-8  
Front Control Panel Bracket



EJ-26U CTCSS Encoder Unit  
(comes standard for U.S.  
Version DX-70T)

Authorized Dealer:

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