

# ALINCO

# The Affordable Desktop HF Transceiver Is Here!

## Alinco DX-77 Loaded with features and packed with performance!



Alinco, Amateur Radio's Value Leader<sup>SM</sup>, has done the unbelievable. The DX-77 is a design achievement that puts a new HF desktop transceiver within your reach! And this is no "bare bones" radio, nor is it a converted "channelized" adaptation. The DX-77 was designed from the beginning to be a quality Amateur Radio, full of features to enhance its performance and your enjoyment. Get ready for those great propagation days ahead...get a DX-77!

- Transmits on all HF Amateur Bands, 10 ~ 160 Meters SSB, CW, AM, FM
- General coverage receiver 500 KHz ~ 30 MHz, all modes
- 100 watts output SSB, CW and FM, 40 watts AM
- Smooth tuning of 10Hz steps
- Built-in speech compressor
- Front panel mounted speaker with loud, clear audio
- Front panel jacks for convenient connections of mic, key, headphones and external speaker
- QRM/QRN reduction with IF shift, RF attenuator and optional CW filter
- Full QSK, 7-step Semi Break-In operation or Auto Break-In CW modes
- 100 memory channels, each stores mode, split, frequency, AGC, RF attenuation or gain
- Computer control with optional ERW-4
- Two VFOs plus Memory operation mode
- Rear panel connectors for external amplifier, antenna, power, computer control

### Options

EDX-1 manual antenna tuner  
EDX-2 auto antenna tuner  
ERW-4 personal computer interface  
EMS-14 desktop microphone



EDS-5 microphone extension cable  
DM-340MV DC regulated power supply  
EJ-33U Electronic Keyer  
EJ-34U CTCSS Unit (50 Tones)  
EJ-35U CW 500 Hz Filter

DM-340MV



## The DX-77 represents the quality, performance and value you've come to expect from Alinco!

# ALINCO DX-77

## Desktop HF Transceiver



Alinco's DX-77 is a versatile HF Transceiver, with 100 watts output power, high performance and economy in a small package. Adding to the enjoyment is a general coverage receiver, optional computer control, optional 6 ~ 50 wpm electronic keyer and optional CTCSS tone encode board, which allows tone selection from the front panel.

### FEATURES

- 100 Memories
- Two VFOs
- Easy Split Operation Mode
- Optional Narrow Filter
- Noise Blanker
- Speech Compressor
- Full, Semi or Auto Break-In CW
- All Mode Squelch
- General Coverage Receiver
- Quick Offset
- RIT (Receiver Incremental Tuning)
- High/Low Power setting control
- Selectable AGC
- RF Gain control (RX)
- Dial Lock
- Automatic Antenna Tuner Interface

### OPTIONS

- |           |   |
|-----------|---|
| EDX-1     | Manual Antenna Tuner  |
| EDX-2     | Automatic Antenna Tuner   |
| EDS-5     | Microphone Extension Cord   |
| * EJ-33U  | Electronic Keyer Unit adjustable from 6 ~ 50 wpm, includes semi-electronic keyer function |
| * EJ-35U  | CW 500 Hz filter  |
| * EJ-34U  | CTCSS tone encoder unit (50 tones) front panel controlled                                 |
| EMS-14    | Desktop Microphone  |
| ERW-4     | Personal computer interface   |
| DM-340MVT | DC regulated power supply (120VAC input)  |
| DM-340MVZ | DC regulated power supply (240VAC input)  |

\* T version comes with " " us standard.

### SPECIFICATIONS

GENERAL	
Receiver Coverage	500 KHz ~ 30 MHz
Transmit Coverage - DX-77	1,8000 ~ 1,9999 MHz 18,0680 ~ 18,1679 MHz 3,5000 ~ 3,9999 MHz 21,0000 ~ 21,4499 MHz 7,0000 ~ 7,2999 MHz 24,8900 ~ 24,9899 MHz 10,1000 ~ 10,1499 MHz 28,0000 ~ 29,6999 MHz 14,0000 ~ 14,3499 MHz
Operating Modes	J3E (USB/LSB), A1A (CW), A3E (AM), F3E (FM)
Operating Temperature Range	-10° C ~ +60° C or +14° F ~ +140° F
Frequency Stability	± 10 ppm -10° C ~ +50° C or +14° F ~ +122° F
Antenna Impedance	50 Ω unbalanced
Power Requirement	13.8 VDC ± 15% (11.7 ~ 15.8 VDC)
Memory Channels	100, each capable of split memories and operating mode
Current Drain @ 13.8VDC	TX: approx 20 amps, max, high power setting RX: approx 1.1 amps max
Dimensions (W. H. D)	246 mm x 94mm x 228mm or 9.67" x 3.7" x 8.98" w/o projections
Weight	3.8 kg or 8.38 lbs.
TRANSMITTER	
Output (SSB, CW, FM)	1.8 MHz ~ 30 MHz High: 100 Watts Low: 10 Watts (Approx)
Output (AM)	1.8 MHz ~ 30 MHz High: 40 Watts Low: 4 Watts (Approx)
Spurious Emissions	Less than -45 dB (10 MHz) Less than -50 dB (1.8 MHz ~ 30 MHz)
Carrier Suppression	More than 40 dB
Sidband Suppression	More than 50 dB (@ 1 KHz)
Modulation Systems	SSB - Balanced AM - Low Level Modulation FM - Variable Reactance
CTCSS (optional)	50 Tones, tones selected from front panel
Electronic Keyer (optional)	Variable 6 ~ 50 wpm
Maximum FM Deviation	± 2.5 KHz
Microphone Impedance	2 k Ω
RECEIVER	
Receive Circuitry	Double Conversion Superheterodyne Triple Conversion Superheterodyne (FM)
Sensitivity	SSB, CW, FM (0.5 ~ 1.8 MHz) 0 dBµV (1µV) (1.8 ~ 30 MHz) -12 dBµV (0.25µV) AM (1 KHz, 30% modulation) (0.5 ~ 1.8 MHz) +20 dBµV (10µV) (1.8 ~ 30 MHz) +6 dBµV (2µV) FM -6 dBµV (0.5 µV) @ 12 dB SINAD
Selectivity	SSB, CW, AM-Narrow: 2.7 KHz(-6 dB), 4.7 KHz (-00 dB) AM-Wide, FM: 8 KHz/-6 dB, 30 KHz/-50 dB
Intermediate Frequencies	1st IF: 71.75 MHz 2nd IF: 8.875 MHz 3rd: (FM) 455 KHz
Spurious & image rejection ratio	More than 70 dB
Audio output power	More than 2 watts @ 8 W, 10% THD
RIT Range	± 1.0 KHz

Specifications subject to change without notice or obligation.  
Performance specifications only apply to amateur bands.

### AUTHORIZED DEALER:



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