

ALINCO

The Affordable Desktop HF Transceiver Is Here!

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



Alinco, Amateur Radio's Value LeaderSM, 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



EDX-2

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

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 " * " as standard

SPECIFICATIONS

GENERAL	
Receiver Coverage	500 KHz ~ 30 MHz
Transmit Coverage - QX-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
Sideband 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 dBdBµV (2µV) FM -6 dBµV (0.5 µV) @ 12 dB SINAD
Selectivity	SSB, CW, AM-Narrow: 2.7 KHz(-6 dB), 4.7 KHz (-60 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 hands.

AUTHORIZED DEALER:



WORLD HEADQUARTERS:

Alinco Incorporated
TWIN 21* MID Tower Building 25F 1-61, 2-Chome, Shiomi, Chuo-ku, Osaka 540-8580 Japan
Phone: 06-6946-8150 - Fax: 06-6946-8175 - E-mail: 101243.1446@compuserve.com

GERMANY:
Alinco GmbH
Eschborner Landstraße 55
60489 Frankfurt/M.
Phone: 069-786018 Fax: 069-789-60766

U.S.A.:
USA Alinco Branch
438 Arnapola Ave., Suite 130, Torrance, CA 90501-6201 U.S.A.
Phone: 310-618-8616 Fax: 310-618-8758
Website: <http://www.alinco.com>

©1997 Alinco Incorporated, Osaka, Japan. All rights reserved. Printed in Japan