DR-140 2 METER MOBILE/BASE

Alinco Introduces a 2 Meter Radio That's Versatile and Packed with Popular Features!

- **Alphanumeric Display – Up to 7 characters – English or Cyrillic letters**

- **51 memory channels, each capable of "odd-split" and different CTCSS tones for RX & TX**

- **Aircraft Band Receive with automatic shift to AM mode (DR-140T only)**

- **Multi-national tone bursts (1750, 1450, 2100 and 1000 Hz)**

- **CTCSS encode and decode capability (see specification chart)**

- Channel number display

- Time Out Timer

- Selectable Scan Modes, busy channel or timed

- Cable cloning

The IX-140 is simple to operate, easy to program and dependable in use. The clean design, *large* controls and display show that Alinco engineers are listening to what *today's* radio operators are saying. The DR-140 combines solid construction and easy maintenance with popular features and *advanced functions.*

Simple ■ Clean ■ Dependable

ALINCO
AMATEUR RADIO'S VALUE LEADER"

THE ALINCO DR-140
Excellent Value in a 2m FM Mobile/Base Radio

ADVANCED FEATURES

ALPHANUMERIC DISPLAY

Display call signs, repeater locations, names or any combination of letters, numbers and symbols up to a total of seven. Displays English and Cyrillic (Russian) alphabet characters, several symbols and numbers O-9. Display alphanumeric, frequency, frequency + memory channel or channel only.

51 MEMORIES

Save up to 50 channel selections plus a CALL channel. Store alphanumeric display data, odd-splits, different CTCSS encode and decode tones, and receive-only frequencies in any of the memory channels.

CTCSS PLUS TONE BURST OPERATION

The DR-140 is ready to work anywhere in the world. 50 CTCSS tones plus selectable Tone Bursts of 1000, 1450, 1750 or 2100 Hz. CTCSS encoder and Tone Burst is standard on all versions of the DR-140. (CTCSS tone decoder EJQOU is optional).

SCANNING FUNCTIONS

Scan VFO or Memory channels in ascending or descending order. Select timed or "busy channel" scanning mode.

"SET AND FORGET" SQUELCH CONTROL

Electronic squelch settings eliminate accidentally adjusting squelch too high or low when making other adjustments.

CLONING CAPABILITY

Clone your settings to other DR-140 radios by wire.

TIME OUT TIMER

Adjustable from 30 seconds to 450 seconds in 30 second steps. A "must" for data and public safety operations.

PACKET RADIO READY

The DR-140 will function well in data transmission modes up to 1200 bps.

SPECIFICATIONS — ALINCO DR-140 SERIES RADIOS:

	DR-14DT	DR-140E	DR-140TEI	DR-140TE2
	U.S. Amateur Version	European Amateur Version	Commercial Version	Commercial Version
TX Range	144.000-147.995 MHz	144 000-145 995 MHz	136.000~155.000 MHz	150 000-173 995 MHz
RX Range	118.000-135.995 MHz (AM) 136.000-173.995 MHz (FM)	144 000-145 995 MHz (FM)	136.000-173.995 MHz (FM)	136 000-173 995 MHz (FM)
CTCSS Encode	Standard 50 Tones	Standard 50 Tones	Standard 50 Tones	Standard 50 Tones
CTCSS Decode	Optional 50 Tones	Optional 50 Tones	Optional 50 Tones	Optional 50 Tones
MARS/CAP Capability	Yes — Permits Required	Not Applicable	Not Applicable	Not Applicable
Microphone (standard)	Electret Cond. with DTMF	Electret. Cond. with DTMF	Electret Cond. with DTMF	Electret. Cond. with DTMF
TRANSMITTER				
TX Output (approx)	Hi/50w Lo/5w	Hi/50w Lo/5w	Hi/35w Lo/5w	Hi/35w Lo/5w
Emission	F3E FM			
Modulation	Variable Reactance Frequency Modulation			
Max. Freq. Deviation	+/- 5 KHz			
Spurious Emission	-60 dB or under below carrier			
Operations	Simplex or Semi-Duplex Modes			
TX/RX Offset Range	From 0 up to +/- 99 995 MHz (full tuning range of radio) Offset may be saved as part of Information stored in any memory channel			
RECEIVER				
Rx System	Dual Conversion Superheterodyne			
IF Frequencies	1st: 30.85 MHz; 2nd: 455 KHz			
Sensitivity	12 dB SINAD - 15dBµ			
Selectivity	More than +/- 6 KHz at -6 dB Less than +/- 15 KHz at -60 dB			
Audio Output	More than 2.5 watts @ 10% distortion			
Speaker Impedance	8 ohms			
GENERAL				
Frequency Resolution	5, 10, 12.5, 15, 20, 30, 50 KHz steps, user adjustable			
Antenna	50 ohms, unbalanced			
Power Input	13.8 vDC +/- 10%			
Current Drain @13.8v DC	Rx-Squelched: less than 600 mA Tx-High: 10.5 A (approx) Low: 3.5 A (approx)			
Dimensions	141 mm (w) x 41 mm (h) x 154 mm (d); 5.55 in (w) x 1.61 in (h) x 6.06 in (d) (without projections)			
Weight	0.86 kg (approx); 1.9 lbs. (approx)			
Memory Channels	50 Channels plus CALL channel; each stores Rx; Tx offset, CTCSS encode, optional CTCSS decode and alphanumeric display Information			
Display	Alphanumeric, English and Cyrillic alphabets, numbers O-9, figures, up to 7 characters; backlit LCD			
Tone Bursts	1000, 1450, 1750, 2100 Hz User Selectable			
Time Out Timer	30 to 450 seconds: user selectable in 30 second increments			
Busy Channel Lock Out	Available — Requires Optional EJ-20U CTCSS Tone Decode Unit			
Penalty Timer	O-15 seconds, user adjustable			
Scan Function	Busy or Timed: Up or Down, memory or VFO			

Specifications subject to change without notice or obligation. Performance specifications apply only to amateur bands. Permits required for MARS/CAP use. Names of certain products mentioned in this catalog are used for identification purposes only and may be trademarks or registered trademarks of their respective company.

OPTIONS:

- **EJQOU**   CTCSS Tone Decode Unit; (Busy Channel Lock Out Requires EJQOU)
- **UA0038**   (PC-I 5B) Extra DC Power Cable
- **MB-130** Extra Mounting Bracket
- **EJ-21 D**   Trunking Logic Board (TE1 and TE2 versions only)

AUTHORIZED DEALER:

ALINCO
AMATEUR RADIO'S VALUE LEADER™

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