

# 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 DR-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™**

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Specifications are subject to change without notice or obligation. Performance specifications only apply to amateur bands. Permits required for MARS/CAP use.

# 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 0-9. 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
<b>TX Range</b>	144.000-147.995 MHz	144 000-145 995 MHz	136.000-155.000 MHz	150 000-173 995 MHz
<b>RX Range</b>	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)
<b>CTCSS Encode</b>	Standard 50 Tones	Standard 50 Tones	Standard 50 Tones	Standard 50 Tones
<b>CTCSS Decode</b>	Optional 50 Tones	Optional 50 Tones	Optional 50 Tones	Optional 50 Tones
<b>MARS/CAP Capability</b>	Yes! — Permits Required	Not Applicable	Not Applicable	Not Applicable
<b>Microphone (standard)</b>	Electret Cond. with DTMF	Electret Cond. with DTMF	Electret Cond. with DTMF	Electret Cond. with DTMF
<b>TRANSMITTER</b>				
<b>TX Output (approx)</b>	Hi/50w Lo/5w	Hi/50w Lo/5w	Hi/35w Lo/5w	Hi/35w Lo/5w
<b>Emission</b>	F3E FM			
<b>Modulation</b>	Variable Reactance Frequency Modulation			
<b>Max. Freq. Deviation</b>	±15 KHz			
<b>Spurious Emission</b>	-60 dB or under below carrier			
<b>Operations</b>	Simplex or Semi-Duplex Modes			
<b>TX/RX Offset Range</b>	From 0 up to ±199 995 MHz (full tuning range of radio) Offset may be saved as part of information stored in any memory channel			
<b>RECEIVER</b>				
<b>Rx System</b>	Dual Conversion Superheterodyne			
<b>IF Frequencies</b>	1st: 30.85 MHz; 2nd: 455 KHz			
<b>Sensitivity</b>	12 dB SINAD — 15dBμ			
<b>Selectivity</b>	More than ±16 KHz at -6 dB; Less than ±15 KHz at -60 dB			
<b>Audio Output</b>	More than 2.5 watts @ 10% distortion			
<b>Speaker Impedance</b>	8 ohms			
<b>GENERAL</b>				
<b>Frequency Resolution</b>	5, 10, 12.5, 15, 20, 30, 50 KHz steps, user adjustable			
<b>Antenna</b>	50 ohms, unbalanced			
<b>Power Input</b>	13.8 VDCI ±110%			
<b>Current Drain @13.8V DC</b>	Rx-Squelched: less than 600 mA Tx-High: 10.5 A (approx) Low: 3.5 A (approx)			
<b>Dimensions</b>	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)			
<b>Weight</b>	0.86 kg (approx); 1.9 lbs. (approx)			
<b>Memory Channels</b>	50 Channels plus CALL channel; each stores Rx; TX offset, CTCSS encode, optional CTCSS decode and alphanumeric display information			
<b>Display</b>	Alphanumeric, English and Cyrillic alphabets, numbers 0-9, figures, up to 7 characters; backlit LCD			
<b>Tone Bunts</b>	1000, 1450, 1750, 2100 Hz User Selectable			
<b>Time Out Timer</b>	30 to 450 seconds: user selectable in 30 second increments			
<b>Busy Channel Lock Out</b>	Available — Requires Optional EJ-20U CTCSS Tone Decode Unit			
<b>Penalty Timer</b>	0-15 seconds, user adjustable			
<b>Scan Function</b>	Busy or Timed: Up or Down, memory or VFO			

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#### 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:



#### WORLD HEADQUARTERS:

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