

# THE NEW DR-605T DUAL BAND MOBILE/BASE

**Full 2 Meter/440 Performance  
at a Very Affordable Price!**



- 100 memory channels, each capable of cross-band or “odd-split” storage PLUS a “call” channel for each band
- CTCSS encode PLUS European tone bursts (1450, 1750 and 2100 Hz) Ready to travel the world!
- Cross-band repeat and full duplex capability
- 9600 bps packet ready with dedicated terminals
- Internal duplexer — one easy antenna connection
- RX-VHF 136-173.995 MHz, UHF 420-470 MHz
- TX-VHF 144-147.995 MHz, UHF 430-449.994 MHz
- MARS/CAP modifiable (permits required)
- OUTPUT H/L — 50/5 watts VHF, 35/5 watts UHF
- Time-out timer (ideal for repeater and packet operation)
- Large controls, easy to operate, easy to program
- With the optional EJ-24U CTCSS Tone Decoder, unit can operate in “tone squelch” receive AND search (tone scan) for a specific CTCSS tone in a received signal

Alinco breaks the 2 meter/440 mobile radio “price barrier” with the full-performance DR-605T. But a low price doesn’t mean “bare bones” or that you need to purchase costly extras. The DR-605T is loaded with popular features! In addition, it’s easy to operate, has large control buttons and a large, easy-to-read display.

Alinco engineers listen to what today’s Amateur Radio operators are saying. The DR-605T is the answer for those who want a full-featured dual-band radio that’s easy to operate at an affordable price.

**Simple ■ Clean ■ Dependable**



**THE NEW VALUE LEADER IN AMATEUR RADIO<sup>SM</sup>**

438 Amapola Ave. • Suite 130 • Torrance, CA 90501

Phone: (310) 618-8616 • Fax: (310) 618-8758 • Internet: <http://www.alinco.com>

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-605T

## Superior Value in a 2m/440 FM Mobile/Base Radio

### ADVANCED FEATURES



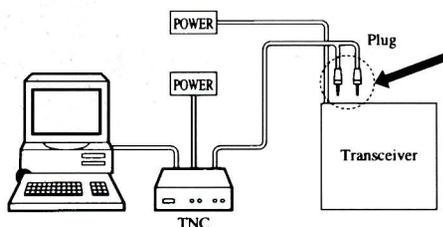
#### 100 MEMORIES, STANDARD!

Memory channels to spare; 50 selections plus a CALL channel for each band. Store odd-splits, cross-band settings, repeater offsets, CTCSS tones, simplex and even extended receive frequencies (like NOAA weather) in any of the memory channels. (See specification chart for extended receive ranges.)

#### CROSS-BAND OPERATIONS

Transmit on one band and receive on the other. Operate cross-band in full duplex (simultaneous transmit and receive). The DR-605T can also be used as a temporary cross-band repeater for special events or emergency use.

#### 9600 OR 1200 BPS PACKET OPERATION



No modifications needed - the DR-605T comes ready to work your favorite packet mode on either or both bands. Dedicated 9600 bps packet connections are on the rear panel.

#### INTERNAL ANTENNA DUPLEXER

Connect your DR-605T directly to a dual-band antenna. You save by not having to purchase a duplexer or an extra antenna (plus coax and connectors). It's another way the DR-605T gets you on the air for less!

#### FREQUENCY + MEMORY CHANNEL DISPLAY OR MEMORY CHANNEL ONLY

Simplify operations with the DR-605T's "Channel Only" display. Channel selection is easier for the new operator and a time-saver during emergency operations.

#### SCANNING FUNCTIONS

Scan the VFO or Memory Channels in ascending or descending order. Choose the scan "hold" with "timed" or "busy frequency" hold. Adjustable "Time Out" Timer, essential for packet and repeater operations. Choose the maximum amount of time the DR-605T will transmit.

#### INDEPENDENT VHF/UHF TX-RX INDICATORS

No guesswork! Know at a glance which band is receiving a signal. Glows green on receive and red when you transmit on either band.

#### "SET AND FORGET" SQUELCH CONTROL

No squelch knobs to accidentally bump "open" or too high when adjusting volume. Squelch for each band is set by you and stays at that setting electronically, not mechanically, until you wish to adjust it.

#### CLONING CAPABILITY

Transfer data from a programmed DR-605T to an unprogrammed unit by wire. Ideal for families or clubs, saves time and ensures uniformity.

#### CTCSS TONE SEARCH AND TONE SQUELCH

With the optional EJ-24U CTCSS tone decoder unit, the DR-605T will search for and identify a CTCSS tone in a received signal. This option also allows "tone squelch" operation. 50 CTCSS tone encode settings (transmit) included at no extra cost.

#### MARS/CAP CAPABILITY

With the proper permits, the DR-605T can be modified to enable use on MARS/CAP frequencies.

#### SPECIFICATIONS

Frequency Range:	VHF	TX: 144 - 147.995 MHz RX: 136 - 173.995 MHz
	UHF	TX: 430 - 449.995 MHz RX: 420 - 470.000 MHz
Transmitter:	VHF H: 50 watts L: 5 watts (approx) UHF H: 35 watts L: 5 watts (approx)	
Modulation:	F2E, F3E (FM) Reactance Modulator	
Antenna:	50Ω, unbalanced, internal duplexer	
Supply Voltage:	13.8 volts DC	
Ground:	Negative	
Current Consumption:	VHF	TX - 50 watts output: 11.5 amps max.
	UHF	TX - 35 watts output: 10.0 amps max.
	RX	VHF+UHF RX: 1.2 amps max.
Frequency stability:	±10 ppm max.	
Dimensions:	140 w x 40 h x 176 d mm 5.51" w x 1.57" h x 6.9" d	
Weight:	1.1 kg 2.43 lbs.	
Spurious:	-60 dB max.	
Max. Deviation:	±5 KHz	
Max. Distortion:	3% max. (300 - 3000Hz) @ 60% modulation	
Mic. Impedance:	2000Ω	
Receiver		
RX System:	Double conversion superheterodyne	
IF Stages:	VHF:	21.70 MHz / 450 KHz
	UHF:	30.85 MHz / 455 KHz
Sensitivity:	-16 dBμ (0.16 μv) or less (12 dB SINAD)	
Selectivity:	-6 dB: 12 KHz min., -60 dB: 28 KHz max.	
Squelch Sensitivity:	-20 dBμ (0.1 μv) or less	
AF output:	2 watts (8Ω load) @ 5% distortion	
AF output impedance:	8 Ω	

#### OPTIONS

- EJ-24U CTCSS Tone Decoder Unit
- UA0038 Spare DC Power Cable
- MB-130 Spare Mounting Bracket

#### AUTHORIZED DEALER:

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