

# ALINCO

## DJ-195

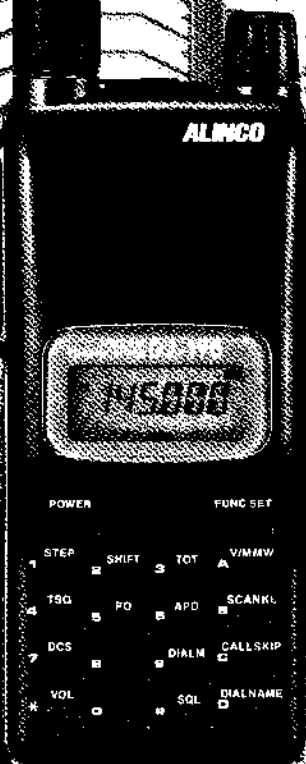
VHF FM

HANDY TRANSCEIVER

# Power, features, convenience and fun!

Alinco has created a new 2 meter HT that sets new standards in features, convenience and easy operation. The DJ-195 sports an alphanumeric display for easy memory management. It has an ergonomic design that's "user friendly" and the 5 watt output battery is standard. You'll be ready to travel the world with CTCSS encode+decode, DCS and European tone bursts, all included at no extra cost. Best of all, the DJ-195 retains the proud Alinco tradition of quality construction and excellent value.

- Alphanumeric display
- 40 memory channels
- 5 watt output with standard battery
- CTCSS encode+decode and DCS
- 13.8 VDC direct input with battery charge feature
- Direct frequency input
- S-meter
- Autodialer
- Cable Cloning
- Computer programmable (third party software required)
- MARS/CAP capability (DJ-195T)
- Additional features, including theft alarm!



# DJ-195



**ALINCO**  
INCORPORATED

- Alphanumeric Display** :Label channels in an easy-reading format. Display frequency, alpha label or channel number only.
- 40 Memory Channels** :Plenty of room to store your favorite simplex or repeater frequencies along with alphanumeric label, offset, CTCSS encode/decode or DCS setting.
- 5 watts output** :The standard battery allows the DJ-195 to produce up to 5 watts. A power input port accepts 13.8 VDC and charges the battery, but won't allow destructive overcharge.
- CTCSS, DCS, Tone Bursts and DTMF** :Be prepared for virtually any selective calling situation or gaining access to repeaters with protected inputs. European Tone Bursts include 1000, 1450, 1750 and 2100 Hz.
- Direct Frequency Input** :Frequency entry is easy using the well-spaced keypad.
- S-Meter** :Displays relative signal strength. Great for locating RF "hot spots" or searching for hidden transmitters.
- Cable Cloning** :Share identical settings among multiple DJ-195 transceivers. Saves time and ensures uniform operation..
- Removal Alarm** :The DJ-195 can be set to emit a tone when disconnected from an external power source until proper action is taken to silence the alarm.
- Experimental Insect Repel Feature** :Can the DJ-195 actually repel mosquitoes? Activate the special tone and decide for yourself! You may find the DJ-195 can "de-bug" your outdoor operating site!

## Specifications

General		DJ-195
RX Frequency Coverage (MHz) DJ-V5T	TH	TX:144.000 - 147.995MHz RX:135.000 - 173.995MHz
	EH	TX:144.000 - 145.995MHz RX:144.000 - 145.995MHz
	EAH	TX:135.000 - 173.995MHz RX:135.000 - 173.995MHz
	TFH	TX:150.000 - 173.995MHz RX:150.000 - 173.995MHz
	TLH	TX:150.000 - 173.995MHz RX:135.000 - 173.995MHz
Modulation		F3E (FM)
Frequency stability		±5ppm (-10°C - +60°C) (+14°F - +140°F)
Supply Voltage		Rating : 13.8V DC Connection : 6.0 - 16.0V DC
Ground		Negative ground
Current consumption (13.8VDC, Average)		TX: Approx. 1.2A in high Power Setting RX: Squeech approx.50mA Battery save : approx. 20mA
Temperature range		-10°C - +60°C (+14°F - +140°F)
Frequency Resolution		5, 10, 12.5, 15, 20, 25,30kHz steps
Memories		40 Channels + 1 Call Channel
Antenna		BNC connector, 50Ω unbalanced
Ant. impedance		50Ω
Dimensions (WHD)		Approx. 56mm × 124mm × 40mm or 2.20 in × 4.88 in 1.57 in (without projections, Battery case EBP-48 inclusive)
Weight		Approx. 375g or 13.2 oz (with EBP-48N)
TRANSMITTER		
Output Power (Approx)		Approx.5W with EBP-48N, Approx.5W 13.8V, Approx.0.8W (Low power)
Modulation System		Variable Reactance Frequency Modulation
Frequency Deviation		±5.0kHz (maximum)
Spurious emission		-60dB or less
Mic. impedance		Approx. 2kΩ
RECEIVER		
Receiver System		Double Conversion Superhetrodyne
IF Frequencies		1st 21.7 MHz 2nd FM : 450 kHz
Sensitivity		144.000 - 147.995MHz:-14dBμ (0.2μ V) or less 135.000 - 173.995MHz:-12dBμ (0.25μ V) or less
Selectivity (except WFM)		-60dB/12kHz or more -60dB/26kHz or less
Spurious response		60dB or more
AF output		280mW MAX, 200mW (10% THD)
AF load impedance		8Ω

## Accessories

EBP-48N	9.6V 700mAh high output NiCd battery pack	EMS-47	Speaker microphone with volume control
EDC-36	Car-lighter cable with filter	EMS-51	Miniature type speaker microphone
EDC-37	Cable for external power source	EME-6	Headset (in-ear)
EDC-43	Car-lighter cable	EME-12	Headset (ear hook)
EDC-88	Multi-voltage rapid charger	EME-13	Headset (in-ear)
EDC-93	A.C.wall charger,117V	EME-15	Tie-pin microphone with vox
EDC-94	A.C.wall charger,220/240V	EME-16	Tie-pin microphone
EBC-6	Mobile bracket	EME-17	Tie-pin microphone
EMS-8	Speaker microphone with up/down control	ESC-36	Soft case for use with EBP-48N battery
EMS-9	Speaker microphone	EJ-38D	Smarttrunk Logic Board

Small type: Specifications subject to change without notice or obligation. Specifications apply to Amateur Radio bands only. Permits required for MARS/CAP use. Product intended for use by properly licensed operators.No warranty is made on performance of experimental insect repel feature.

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