

# ALINCO

# DJ-191/DJ-491

## VHF/UHF FM HANDHELD TRANSCEIVER

DJ-191: 136 ~ 155 / 144 ~ 148 / 144 ~ 146 / 150 ~ 174MHz

DJ-491: 400 ~ 420 / 430 ~ 450 / 450 ~ 470MHz

## ENORMOUS DISPLAY & EFFORTLESS ENTRY

The simple operation, "slim line" ALINCO technology, and maximum size display features and durability make this radio the choice of amateurs worldwide.



- \*40 Memory Channels + 1 Call Memory Channel
- \*Cloning Capable
- \*9 auto dialer memory channels with redial
- \*Direct frequency entry from effortless large DTMF 16 button keypad and large display
- \*DSQ coded squelch built-in
- \*Tone burst
- \*Tone encoder with 50 tones
- \*Battery save function
- \*Compact battery design (example: DJ-191T):

4.8V	700mAH	1.5W	Standard
4.8V	1200mAH	1.5W	Optional
7.2V	900mAH	3.5W	Optional
9.6V	650mAH	5w	Optional

- \*Automatic power off
- \*Time Out Timer setting
- \*D.C. In Jack for external power source

## FEATURES

- Large, illuminated display
- CTCSS encoder (50 tones) equipped
- Time-Out-Timer equipped
- Direct frequency entry through keypad
- DTMF Squelch encoder and decoder equipped
- 40 memory channels + call channel, each memory channel stores frequency, offset, shift-direction, CTCSS setting, CTCSS frequency, power H/L, DSQ setting, DSQ code, scan-skip, battery-save (On/Off).
- 9 auto dialer memories each with 16 digit including 'pause'.
- Redial function
- Tone burst 1750Hz emission can be set.
- Battery save function (BS)
- Auto Power Off with Morse alert before turn off.
- 1.5W transmit output, 5W with optional Ni-Cd battery-pack EBP-36N.
- Cable cloning function
- DC. In Jack for external power source (takes external DC power and simultaneously charges the Ni-Cd).
- Monitor key, and Low power transmit key.
- Independent TX and RX lamps
- Scan functions

## SPECIFICATIONS

Frequency Coverage	TX	RX
DJ-191T (U.S. Amateur version)	144.000 ~ 147.995MHz	135.000 ~ 173.995MHz
DJ-191 E (European Amateur version)	144.000 ~ 145.995MHz	144.000 ~ 145.995MHz
DJ-191TA1 (Commercial version VHF)	135.000 ~ 155.000MHz	135.000 ~ 173.995MHz
DJ-191 TA2 (Commercial version VHF)	150.000 ~ 173.995MHz	135.000 ~ 173.995MHz
DJ-491 TA1 (Commercial version UHF)	400.000 ~ 420.000MHz	400.000 ~ 420.000MHz
DJ-491 TA2 (Commercial version UHF)	450.000 ~ 470.000MHz	450.000 ~ 470.000MHz
DJ-491 TA3 (Commercial version UHF)	430.000 ~ 450.000MHz	430.000 ~ 450.000MHz
Channel Step:	5, 10, 12.5, 15, 20, 25, 30kHz steps	
Memory Channels:	40 Channels+ 1 Call Channel Memory	
Antenna Impedance:	50Ω unbalanced	
Frequency Stability:	± 5 ppm	
Microphone Input Impedance:	2kΩ nominal.	
Signal Type:	F3E (FM)	
Offset Range:	0 ~ 99.995MHz	
Deviation:	± 5kHz max.	
TX Output (supply voltage):	1.5W (4.8V) / 3.5W (7.2V) / 5W (9.6 ~ 13.8V)	
RX Sensitivity:	12dB SINAD better than -16dBμ (VHF)/ -13dBμ (UHF)	
RX Selectivity:	- 6dB / ± 12kHz	
I.F.:	DJ-191 (1st) 21.25MHz / (2nd) 450kHz DJ-491 (1st) 45.10MHz / (2nd) 455kHz	
Power Supply Requirements:	4.8 ~ 13.8V DC (4.8V DC standard)	
Current Consumption	Transmitting: Approx. 1.2 Amp. in High Power Setting Receiving: Squelched Approx. 24mA (BS on)	
Operating Temperature:	- 10 ~ + 60°C / 14 ~ 140°F	
Dimensions:	57(W) × 151(H) × 28(D) mm	
(with EEP-37N without projections)	2 1/4(W) × 6(H) × 1 1/8(D) inches	
Weight:	Approx. 300g	
DTMF:	16 Button Keypad, encoder/decoder installed	
Subaudible Tones (CTCSS):	Encoder installed (50 tones)	

Specifications are subject to change without notice or obligation.

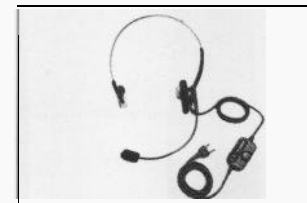
Names of products mentioned in this catalog are used for identification purposes only and may be trade mark and/or registered trademarks of their respective company. Note: All values approximate.

## OPTIONAL ACCESSORIES

- EJ-28U CTCSS Decoder Unit
- EBP-33N (4.8V DC 650mAh) Ni-Cd battery
- EBP-34N (4.8V DC 1200mAh) Ni-Cd battery
- EBP-35N (7.2V DC 900mAh) Ni-Cd battery
- EBP-36N (9.6V DC 650mAh) Ni-Cd battery
- EBP-37N (4.8V DC 700mAh) Ni-Cd battery (standard)
- EDH-16 Dry-cell battery case (AA x 4)
- EDC-36 Mobile Cigarette lighter adapter with active noise filter
- EDC-37 External DC supply cable
- EDC-60 (120V AC) Rapid charger
- EDC61 (220V AC) Rapid charger
- EDC-63 (120V AC) Wall charger
- EDC-64 (220V AC) Wall charger
- EMS-9Z Speaker microphone
- EME-12 Headset with VOX
- EME-13 Earphone and mic with VOX
- EME-6 Earphone
- ESC-28 Softcase (for use with EBP-33N)
- ESC-29 Softcase (for use with EBP-37N)
- ESC30 Softcase (for use with EBP-34N/35N/36N)
- EBC-6 Mobile bracket
- ERW-4 PC Programming cable
- EJ-27D (for commercial version only) SmarTrunk™ II Logic Board



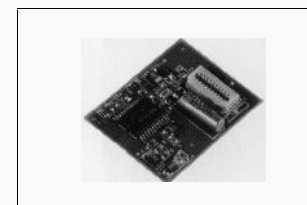
- EDC60 Rapid Charger (120V)
- EDC61 Rapid Charger (220V)



- EME-12 Head-set with VOX



- EBP-36N Ni-Cd Battery Pack  
9.6V DC 650mA for 5W output



- EJ-28U CTCSS Decoder Unit

Authorized Dealer:



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