

SPECIFICATIONS DJ196

GENERAL

Frequency coverage T : TX 144-147.995MHz RX 135-173.995MHz
E : TX 144-145.995MHz RX 144-145.995MHz
TFH : TX 150-173.995MHz RX 135-173.995MHz

Mode F3E (FM)
Channel steps 5,10,12.5,15,20,25,& 30kHz
Memory channels 40 channels+1CALL channel
Antenna connector BNC(50ohm unbalanced)
Frequency stability +/- 5 ppm
Microphone input impedance 2kohm nominal
Power supply requirement 6.0 to 16.0V DC (negative ground)
Current drain (at 13.8 V DC) 1.2 A(typical) Transmit high at 5W
200 mA(typical) Receive at 280mW
50 mA(typical) standby
20mA(typical) Battery save on
Usable temperature range -10 - +60 (14 - 140° F)
Dimensions 56(W) * 124(H) * 40(D) mm (with EBP-48N)
(Projections not included) 2.2"(W) * 4.88"(H) * 1.57"(D) inches (with EBP-48N)
Weight Approx.375 g (13.2oz) (with EBP-48N)
DTMF 16 Buttons Keypad
Sub audible Tone(CTCSS) encoder/decoder installed(39tones)
Sub audible Tone (DCS) encoder/decoder installed(104codes)

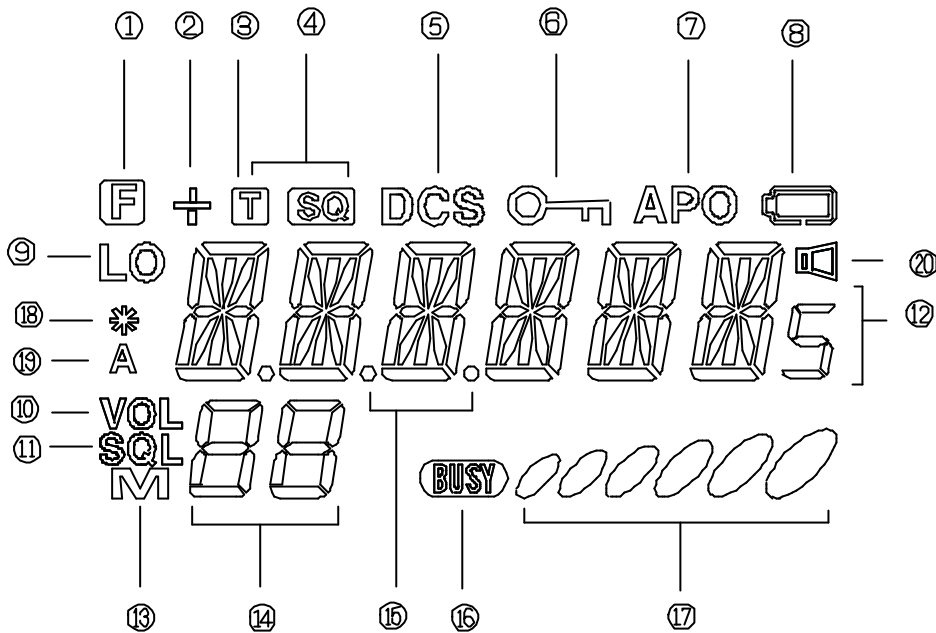
TRANSMITTER

Output power Approx. 5W EBP-48N installed
Approx. 5W 13.8 V DC
Approx. 0.8 W (LOW)
Modulation system Variable reactance frequency modulation
Spurious emissions Less than -60 dB
Max. frequency deviation +/- 5 kHz

RECEIVER

Receive system Double conversion superheterodyne
Intermediate frequencies 1st 21.7MHz/2nd 450kHz
Sensitivity(12dB SINAD) Less than -14.0 dBu (0.2uV) [144-147.995MHz]
Less than -12.0 dBu (0.25uV) [135-173.995MHz]
Selectivity -6 dB : 12kHz or more
-60 dB : 26kHz or less
Audio output power 280 mW (typical with an 8ohm load)
200 mW (8ohm10% THD)

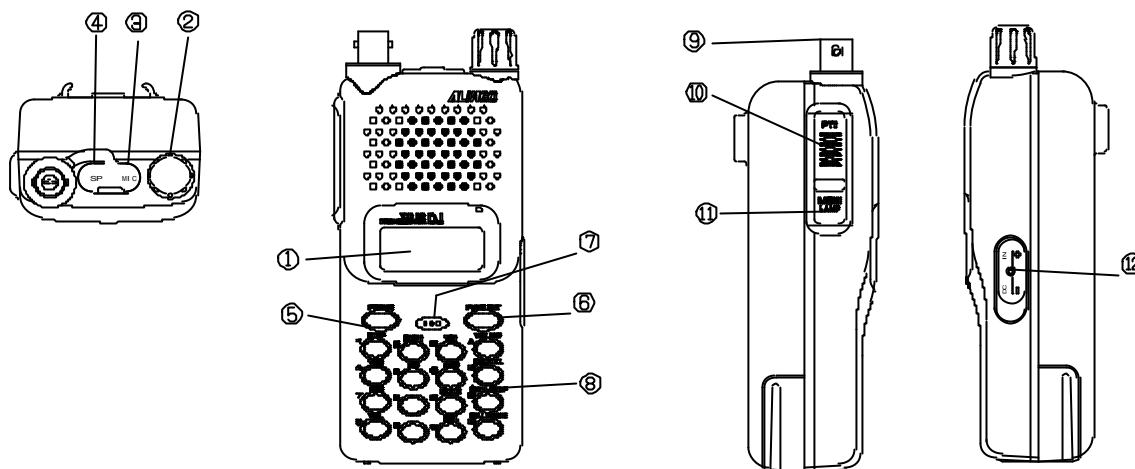
LCD Display



1. F When the F icon appears, secondary function keys may be activated.
2. + It indicated the plus or minus offset direction.
3. T It appears when the tone encoder is activated.
4. TSQ It appears when the tone squelch is activated.
5. DCS It appears when the digital code squelch is activated
6. The “ icon appears when the key and frequency Lock is activated.
7. APO It appears when the APO (Automatic Power Off) function is activated.
8. When the voltage of the battery is dropped to be recharged, “ is disappears.
9. LO When the low power output is selected the LO icon appears.
10. VOL It appears while the volume level is adjusted by either the tuning dial.
11. SQL It appears while the squelch level is adjusted by either the tuning dial
12. 888 It indicates the TX/RX frequency, other function selected.
13. M In the Memory Mode , the M icon appears.
14. 88 While either the volume/squelch level is adjusted, and Memory channel No.
15. . decimal point
16. BUSY BUSY icon will appear when a signal is received, or squelch is unmuted.
17. ... It indicates the received signal strength and / or the output power level.
18. * It appears when the “SCR” function activated.
19. A It appears when the “EXP” function activated.
20. It appears when the “MRS” function activated.

CONTROLS/FUNCTIONS

Top, Front Sides and Rear View



1. LCD DISPLAY PANEL Refer to LCD Display section of this manual.
2. MAIN TUNING DIAL The main tuning dial/knob may be rotated in either direction to select RX/TX frequency and volume/squelch level.
3. EXTERNAL MICROPHONE JACK When the external microphone is preferred, plug in a 2.5mm stereo plug into this jack.
4. EXTERNAL SPEAKER JACK When the external speaker is preferred, plug in a 3.5mm mono plug into this jack.
5. POWER SWITCH To turn on the unit, press and hold for about one second.
6. FUNCTION KEY The F key allows you to access the secondary function. Press and hold for about two seconds, The Set-mode function activated.
7. MIC Speak into the microphone from approximately 10cm or 3" distance.
8. DTMF KEYPAD During transmission, each numerical or letter key activates one DTMF tone.
9. BNC ANTENNA CONNECTOR Connect the supplied rubber helical antenna. When an external antenna is connected, please make sure that your antenna has a low SWR(Standing Wave Ratio).
10. PTT(PUSH TO TALK)SWITCH To transmit, press and hold this switch. When you release it, the unit will return to the receive mode.
11. MONITOR KEY This key is used to un-mute squelch, and a weak or intermittent signal can be monitored regardless the squelch setting. This also available to monitor receive frequencies when TSQ or DCS is set.
12. DC JACK Plug in the EDC-36 cigarette lighter adapter with active noise filter for mobile operation. The jack is polarized, the center pin is positive and outer pin is negative. Applying excessive or will void the radio's warranty.