

USER'S MANUAL

CB MOBILE/BASE STATION

MODEL : MEGAJET MJ-3031M turbo



CB Mobile/BASE Station

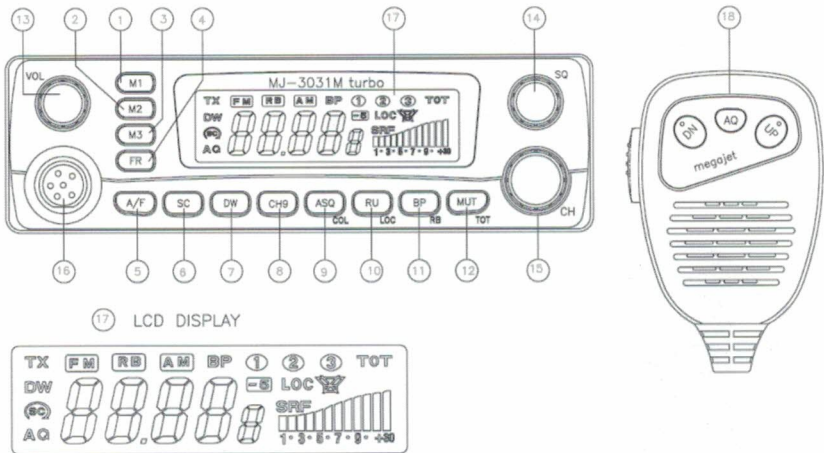
two-way radio base station supports the radio interface between the network and mobile stations (transceivers).

RC & C

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1. Radio Set Unit Operating Method

FUNCTION & LCD CHART



① ② ③ MEMORY function (M1~3)

* **Memory method (M1 ~ M3)***

* **When saving in memory:** Select channel that wants to be memorized by channel switch. Press button of M1-M3 that needs to be memorized for 2 seconds. The desired channel is memorized with beep sound.

* **Calling back memory:** After pressing FC button, press button of M1-M3 that needs to be called. Then the memory channel is called and displayed in LCD.

④ FREQUENCY Readout

Any channel number can be changed to its frequency by pressing FR button. Whenever pressing FR button, frequency and channel are displayed alternately in LCD.

⑤ AM/FM BUTTON

Choose AM (amplitude modulation) method and FM (frequency modulation) method. If pressing button, choice can be made by displaying FM or AM in LCD.

⑥ SC BUTTON

As function of SCAN, it is function finding if transmitting in any channel. If pressing scan button, it starts Channel SEARCH to upward direction.

It stops in the other's transmitting channel, and if it ends, it resumes SEARCH again after 7 seconds. If pressing any button, Scan function stops.

⑦ DW BUTTON

Dual Watch is the Search any receiving channel by alternating two channels.

The channel is stopped automatically if the transmission is done.

7 seconds after reception of signal and no transmission, DW starts again.

If pressing DW KEY once again, DW mode is stopped.

Operating method is as below.

- ① If pressing DW button, DW is displayed in LCD.
- ② select DW channel with UP/DOWN switch.
- ③ It is displayed by repeating present channel and DW channel for 0.5 second.
- ④ DW, is stopped and in standby in case any signal is received.
- ⑤ If reception is stopped, DW function starts again after 5 seconds.
- ⑥ If receiving transmission KEY of channel repeat, it is moved to last received channel automatically.
- ⑦ 7 seconds after completion of transmission, DW function is resumed.

⑧ CH9 BUTTON

It is used in emergency situation.

If pressing CH 9 button, it is converted to 9 channel and LCD is flickering for emergence.

⑨ ASQ / 2 COL BUTTON

(1) AUTO SQUELCH function

Set Squelch to some fixed level to avoid inconvenient Squelch volume control.

(2) 2 COLOR BACK LIGHT SELECTING function

This function is to select two BACK LIGHT COLOR and is changed from BACK LIGHT COLOR to AMABER or RED COLOR if pressing "ASQ/COL"BUTTON for long as much as more than 1 second.

⑩ RU BUTTON

(1) RU function

Presses the button and is exchanged at RUSSIA frequency, DISPLAY " - 5 " The icon lights. When reduces again, " RU" Presses the button once again and is cancelled.

(2) LOCAL function

When of 1 or more second presses the button, " LOC" Becomes DISPLAY and when using from neighboring distance, uses and of 1 or more second presses once again and is cancelled

11 BP / RB BUTTON

(1) BEEP function

If pressing this, it shows BEEP marking "BP" ON and if pressing once again, "BP" is OFF.

(2) ROGER BEEP function

This function is to emit terminating sound of transmission and if pressing it for long as much as more than 1 second, "RB" is marked and "RB" is ON and if pressing it once again, "RB" becomes OFF (possible only in FM)

12 MUT / TOT BUTTON

(1) MUTE function

It is function of SPEAKER MUTE ON/OFF

(2) TIME OUT TIMER function

In transmission, it makes the transmission stop after 3 minutes by this Function in order to prevent the damage by long transmission.

13 VOLUME CONTROL

If turning right, source of electricity is ON and sound amount is increasing.

If turning left, sound amount is decreasing and source of electricity is OFF.

14 SQ CONTROL

It is volume eliminating noise that occurs in no reception signal.

If turning right when reception signal is high and turning left when reception signal is low, it eliminates noise.

15 CHANNEL SWITCH

It is used switch when changing channel.

16 MIC CONNECTOR

6 PIN MIC can control PTT, CHANNEL UP/DOWN,ASQ in mike.

17 LCD DISPLAY

It is showing the operating status on the CHANNEL, FUNCTION, S/METER..etc.

18 HAND MIC

MIC can control PTT, CHANNEL UP/DOWN, ASQ in mike and high quality C-MIC is used

(Caution) RESET

It can be used when error by source of electricity on use or operating wrongly

After POWER OFF, if the radio is turned on while pressing "CH9" button, "rEst" letter is displayed in LCD and error is dismissed by converting to initial state.

* TECHNICAL SPECIFICATIONS

Item	MJ-3031M TURBO
1. GENERAL	
◆ TRANSMITTER	CRYSTAL CONTROLLED PLL SYNTHESIZER
◆ RECEIVER	DOUBLE CONVERSION, SUPERHETERODYNE SYSTEM
◆ VOLTAGE OPERATION	DC 13.8 V
◆ TEMPERATURE	-10 °C ~ +50 °C
◆ CHANNEL STEP	10 KHz
◆ DIMENSION	150(D) x 145(w) x 48(H) mm.
◆ WEIGHT	1000g w/o accessories (total :1500g including accessories and packing)
2. TRANSMITTER	
◆ OUTPUT POWER	FM/AM : 5 Watts
◆ FREQUENCY RANGE	27 MHz
◆ FREQUENCY TOLERANCE	+ -300 Hz
◆ MODULATION SENSITIVITY	3mV (1.25KHz INPUT)
◆ MODULATION CAPABILITY	AM : 90 %
	FM : 2 KHz
3. RECEIVER	
◆ FREQUENCY RANGE	27 MHz
◆ SENSITIVITY	AM : 0.5 uV (S/N 10dB at 30% MOD)
	FM : 0.20 uV (SINAD12dB at 1.5K DEV)
◆ SQUELCH	1 uV
◆ AUTO SQUELCH	0.3 uV
◆ S/N RATIO	40 dB
◆ DISTORTION	3%
◆ S/METER(S-9)	100 uV
4. TEST CONDITION	
◆ POWER SOURCE	DC 13.8 VOLTS
◆ ANT LOAD IMPEDANCE	50 ohm NON-INDUCTIVE
◆ AUDIO LOAD IMPEDANCE	8 ohm NON-INDUCTIVE

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