

EDISON

Family Radio System

DJ-001



Congratulations on your selection of the DJ-001 from EDISON. This quality Family radio Service two-way radio, like all Genuine EDISON products, has been designed to give you many years of continuous service and represents the best value for your money. It requires little maintenance and is easy to setup and operate.

EDISON ELECTRONICS CO., LTD.
FCC ID: OGVDJ-001
EXHIBIT #: 8A

IMPORTANT SERVICE INFORMATION

Read this manual before attempting to setup or use this instrument. It contains important information regarding safe installation and use. Keep this manual for future reference. Also save the carton, packing and proof of purchase to simplify and ACCELERATE ANY NEEDED ACTION. IF YOU NEED assistance or service, call (800) 888-8990 between 8:00 a.m. and 4:30 p.m. Pacific Standard Time, Monday through Friday. You can also visit our website at: www.edison-electronics.com for tech support and information on products.



THIS SYMBOL IS INTENDED TO ALERT THE USER OF THE PRESENCE OF IMPORTANT OPERATING AND MAINTENANCE (SERVICING) INSTRUCTIONS IN THE OWNER'S MANUAL.

DJ-001

CARTON CONTENTS

- ☐ (DJ-001) TwoWay Radio
- ☐ User's Manual

FCC NOTICE

The FCC requires that you be advised of certain requirements involving the use of this device. This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment uses and can generate radio frequency energy. If not installed and used in accordance with the instructions, it may cause harmful interference to radio communications. However, there is no guarantee that the interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception (which can be determined by turning the equipment off and on), the user is encouraged to correct the interference by one of more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the manufacturer for technical assistance.

FCC INFORMATION: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Privacy of communications may not be ensured when using this equipment.

FCC WARNING: This equipment generates or uses radio frequency energy. Changes or modifications not expressly approved in writing may cause harmful interference and void the user's authority to operate this equipment.

FRS PRODUCT DESCRIPTION

The Family Radio Service(FRS) is the newest generation in personal two-way communications. FRS radios operate in a license-free radio band(no FCC license is needed for FRS operation),on any of the 14 license-free channels.

The DJ-001 is a lightweight, palm-sized two-way radio that can be used up to about two miles with family or friends at parks, shopping malls, sporting events, concerts, any indoor or outdoor activity!

The DJ-001 is compatible with other two-way radios using the FRS frequency band (operating in the frequency range from 462.5625 MHz to 467.7125 MHz).

The DJ-001 is a 14-channel UHF two-way radio, featuring a multi-functional LCD panel (which indicates the current channel and various radio status icons). Other features also include last channel recall, keypad lock, battery save circuitry and user programmable CTCSS(Continuous Tone Coded Squelch System) private channel codes (up to 38 codes per channel).

Please read this user's manual thoroughly to get the most out of your DJ-001 two-way radio.

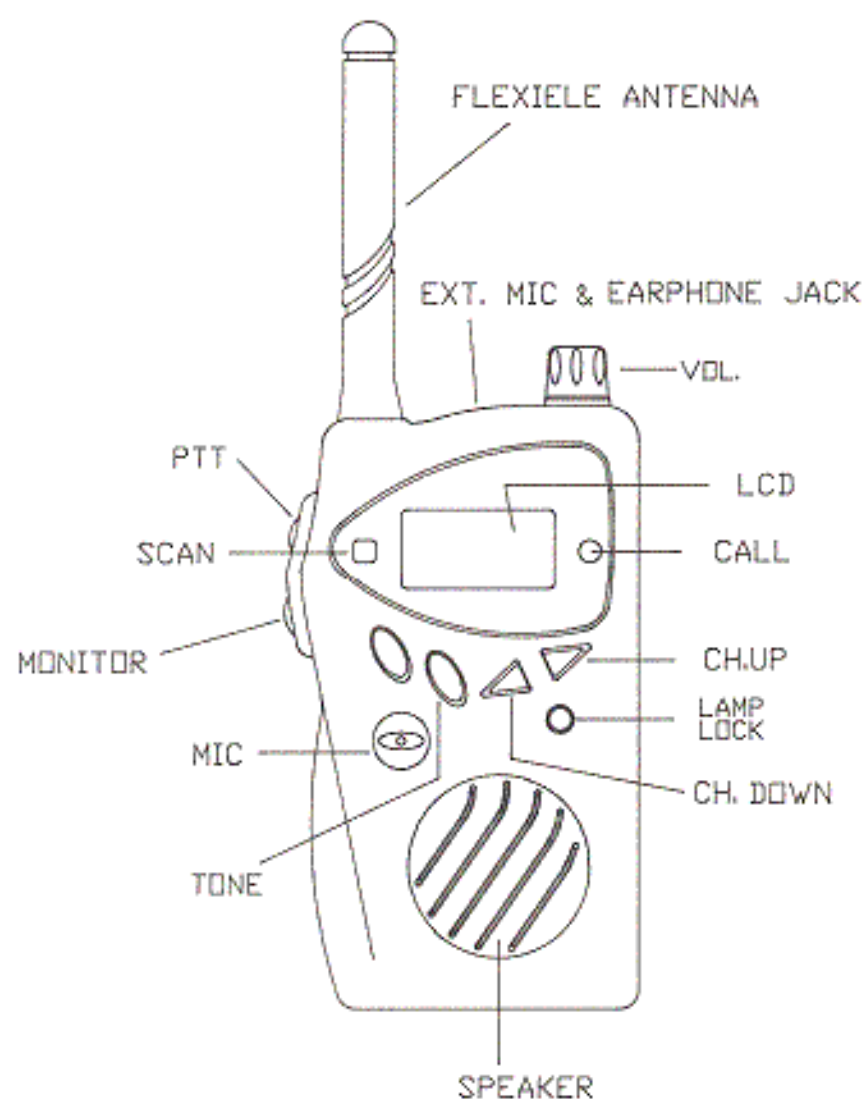
NOTE: The maximum transmission range will vary depending on terrain and environment. Range will be greater in open fields, while the range is shorter within / around buildings or large structures.

EDISON ELECTRONICS CO., LTD.

FCC ID: OGVDJ-001

EXHIBIT #: 8D

DJ-001 CONTROLS DIAGRAM



EDISON ELECTRONICS CO., LTD.
FCC ID: OGVDJ-001
EXHIBIT #: 8E

DESCRIPTION

Battery Compartment - Houses THREE "AA" type batteries (not included).

Battery Cover Latch - Secures the battery cover in place.

Belt Clip - For your convenience, a belt clip is included to secure the radio to a belt or any other convenient location.

LCD(Liquid Crystal Display)Panel - A multi-functional display which shows channel and other radio status/icon.

ON/OFF Button - POWER ON/OFF Button

TONE Button - Allows you to program channels, CTCSS private channel codes, and other option settings.

MONITOR Button - Lets you listen in on a channel for weak signals.

PTT(Push To Talk) Button - Used for transmitting.

UP(▲) and DOWN (▼) Buttons - Used for changing channels, CTCSS private channel codes, and option settings during programming mode.

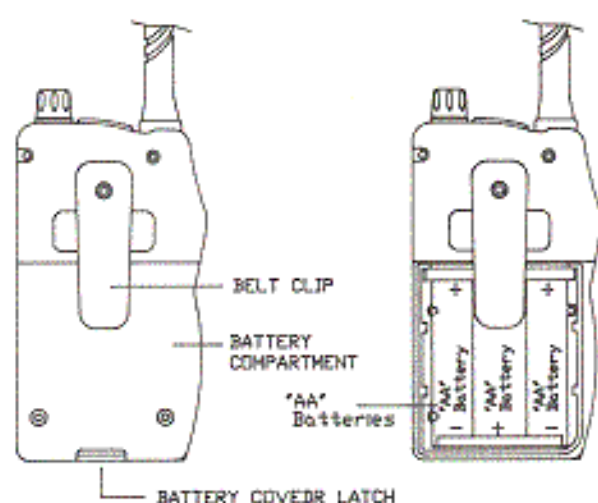
VOL Knob - Turn this knob clockwise to adjust the volume level.

EDISON ELECTRONICS CO., LTD.
FCC ID: OGVDJ-001
EXHIBIT #: 8F

INSTALLATION

Battery installation

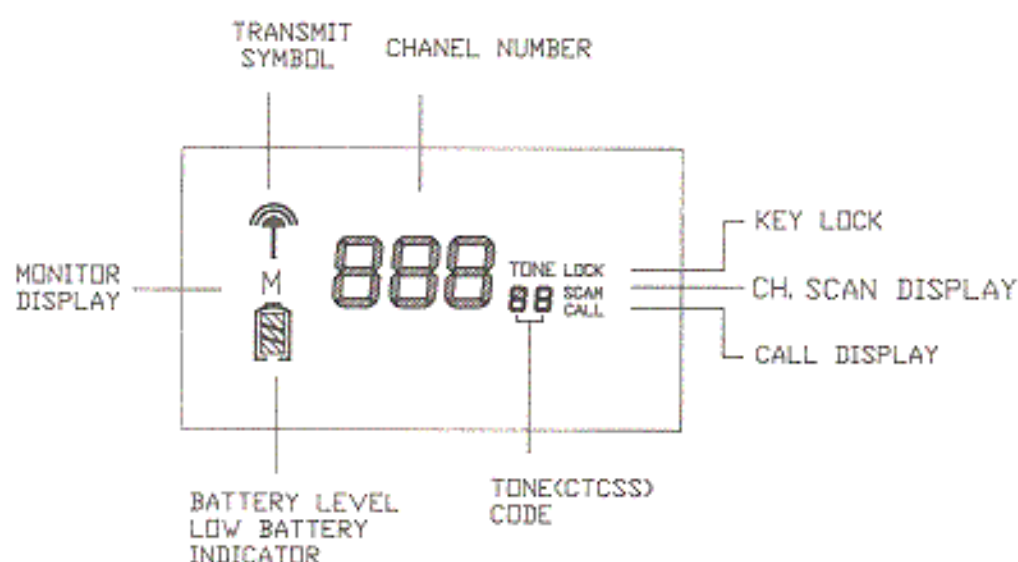
1. Release the battery cover latch located on the rear side of the unit. See figure 1.
2. Lift up the battery cover from the battery compartment.
3. Install THREE "AA" type batteries (not included). following the polarities as shown on figure 2.
4. Reinstall the battery cover.
5. Lock the battery cover latch into position.



NOTES:

- Alkaline batteries are recommended for longer usage.
- When the DJ-001 is not being used, conserve battery power by turning the power on/off Button OFF. You can also push on the Power save feature to conserve battery power. Please refer to the Option Settings section of this manual for details.
- Remove the batteries if the unit will not be used for a long period of time.

LCD PANEL DISPLAY



NOTE: Optional external microphone / external headset units are sold separately.

OPERATION

Turning the Unit ON

Push the on/off knob. The unit will beep and the LCD panel will briefly display a self-test screen.

Turning the Unit OFF

Push the off knob. The LCD panel will turn blank.

ADJUSTING the Speaker Volume

- Turn the VOL. knob clockwise to increase volume.
- Rotate the VOL. knob counterclockwise to decrease volume.

Receiving a Call

The unit is continuously on receive mode when the unit is ON.

Transmitting a Call

1. Push and hold the PTT button/switch to transmit. the LCD transmit icon will flash (see LCD PANEL SYMBOLS for details).
2. While holding the PTT button/switch, speak in a normal voice about 2 to 3 inches away from the microphone.
3. Release the PTT button/switch when you have finished transmitting.

NOTE: In order for other people to receive your transmission, they must also be on the same channel you are currently using. Refer to the "Changing Channels" section for more information.

Changing Channels

the DJ-001 has 14 available channels. To change channels:

1. Press and hold the TONE key until the channel number digit flashes on the LCD panel
2. While the channel number is flashing,
 - Press the UP(▶) key to increase the channel number
 - Press the DOWN(◀) key to decrease the channel number.
3. Press the TONE key or the PTT button/switch to select the desired channel.

NOTE: Refer to the "FRS Channel Table" section of this manual for detailed frequency listings.

EDISON ELECTRONICS CO., LTD.
FCC ID: OGVDJ-001
EXHIBIT #: 81

Continuous Tone Coded Squelch System(CTCSS)

CTCSS allows you to hear only specific users, effectively blocking out unwanted calls from other users on the same channel you are using.

the DJ-001 has 38 CTCSS codes available. To set the CTCSS code.

1. Press and hold the TONE key until the LCD panel flashes the channel number
2. Press the TONE key again until the LCD flashes the CTCSS code.
3. While the channel number is flashing.
 - Press the UP(▶) key to increment the CTCSS code.
 - Press the DOWN(◀) key to decrement the CTCSS code.
4. Press the TONE key or the PTT button/switch to select the desired CTCSS code.
5. To turn the CTCSS feature off, set the CTCSS code to zero(0). You will hear everyone in the channel if the CTCSS feature is turned off.

NOTE: CTCSS codes are mainly used for blocking unwanted calls over a crowded channel. Other users in the same channel can still hear you, but you cannot hear them unless they have the same CTCSS code that you have set.

MONITOR(MONI)

You can use the MONITOR feature to listen in for weak signals in the current channel, or for adjusting the speaker volume.

- Press the MONITOR button for normal monitoring.
- Press and hold the MONITOR for at least three seconds for continuous monitoring

Key Lock / LAMP

This feature prevents accidental channel changing and other features from inadvertent changes. Key Lock temporarily disables the UP, DOWN, and TONE keys when the Key Lock mode is turned ON.

- To turn Key Lock ON, press the LAMP / LOCK key until the key Lock symbol appears.
- To turn Key Lock OFF, press the LAMP / LOCK key until the key Lock symbol disappears on the LCD panel
- You press a LAMP key short, LCD back light is no/off

NOTE: Only the PTT button/switch and MONITOR key function during Key Lock mode.

Battery Level / Low Battery Indication

- The LCD panel displays the battery power level according to the number of squares inside the battery symbol.
- When the battery level is low, the battery icon will flash to indicate that the batteries need to be changed.

Sending Call Tones

You can use Call Tones to alert the other user or to identify yourself, using two different tones. You can also use Call Tones to signal the beginning or the end of a transmission.

- Press the call key, You can enter multiple Call Tones.

SCAN

- Press the scan key, channel result count up, per channel receive of one second bounds.
- You again press scan key on the way scan, you can receive applicable channel.

SPECIFICATIONS

CHANNELS AVAILABLE:	14 Channels(see Channel Table)
CTCSS CODES	38 Codes per Channel
OUTPUT POWER(TX)	0.5 W (FCC Maximum)
BATTERY LIFE	20 Hours (typical)
WALL CHARGER*	12-15 Hours(typical)

* - Optional item sold separately.

EDISON ELECTRONICS CO., LTD.
FCC ID: OGVDJ-001
EXHIBIT #: 8L

FRS CHANNEL TABLE

CHN #	FREQ (MHz)	CTCSS CHANNELS
1	462.5625	38
2	462.5875	38
3	462.6125	38
4	462.6375	38
5	462.6625	38
6	462.6875	38
7	462.7125	38
8	467.5625	38
9	467.5875	38
10	467.6125	38
11	467.6375	38
12	467.6625	38
13	467.6875	38
14	467.7125	38

CTCSS CODE FREQ(MHz) TABLE

CODE	FREQ	CODE	FREQ
1	67.0	20	131.8
2	71.9	21	136.5
3	74.4	22	141.3
4	77.0	23	146.2
5	79.7	24	151.4
6	82.5	25	156.7
7	85.4	26	162.2
8	88.5	27	167.9
9	91.5	28	173.8
10	94.8	29	179.9
11	97.4	30	186.2
12	100	31	192.8
13	103.5	32	203.5
14	107.2	33	210.7
15	110.9	34	218.1
16	114.8	35	225.7
17	118.8	36	233.6
18	123.0	37	241.8
19	127.3	38	250.3

TROUBLESHOOTING

SYMPTOM	SOLUTION
Does not turn on.	• Check batteries. Ensure that the batteries are installed properly. • The batteries may be weak. Replace old batteries with four new "AA" Alkaline batteries.
Reception is weak.	• Turn VOL. knob clockwise to increase volume. • The receiving signal may be weak and out of range. If this happens, press the MONITOR key.
Cannot change channels.	• To change channels, press and <u>hold</u> the TONE key first until the channel digit flashes on the LCD panel. Then, press the UP or DOWN keys to change channels.
Cannot hear other callers on a channel.	• The CTCSS code feature could be active. To turn off the CTCSS, set the CTCSS code to zero(0).
Range is limited	• Batteries may be weak. Replace with new batteries if the battery level indicator is low. • The maximum range will vary depending on terrain and environment. Open fields provide the maximum range, while buildings and other structures may limit the range significantly.
Sound distortion problems	• If you are transmitting, speak in a normal tone of voice, 2 to 3 inches away from the microphone. • If you are receiving, lower the volume controls to a comfortable level.