

General Mobile Radio Service

GMRS COMMUNICATOR

MODEL IFG - 400



Make certain you receive the best
performance from your COMMUNICATOR.
Read this Owner's Manual first.

OWNER'S MANUAL
INSTALLATION AND
OPERATING INSTRUCTIONS

PLEASE READ THIS
OWNER'S MANUAL
CAREFULLY BEFORE USE.
KEEP FOR YOUR REFERENCE



 **Inno Telecom Co., Ltd.**

CARE AND SAFETY



CAUTION

Damaged Antennas

Do not use any COMMUNICATOR that has a damaged ANTENNA. If a damaged ANTENNA comes in contact with the skin, a minor burn may result.

Batteries

All batteries can cause property damage and/or bodily injury such as burns if conductive material such as jewelry, keys or beaded chains touches exposed terminals. The material may complete an electrical circuit (short circuit) and become quite hot. Exercise care in handling any charged battery particularly when placing it inside a pocket, purse or other container with metal objects.



WARNING

For Vehicles with an Air Bag

Do not place your COMMUNICATOR in the area over an air bag or in the air bag deployment area. Air bags inflate with great force. If a COMMUNICATOR is placed in the air bag deployment area and the air bag inflates, the COMMUNICATOR may be propelled with great force and cause serious injury to the occupants of the vehicle.

Potentially Explosive Atmospheres

Turn your COMMUNICATOR OFF when in any area with a potentially explosive atmosphere, unless it is a type especially qualified for such use (for example, Factory Mutual Approved). Sparks in such areas could cause an explosion or fire resulting in bodily injury or even death.

Batteries

Do not replace or charge batteries in a potentially explosive atmosphere. Contact sparking may occur while installing or removing batteries and cause an explosion.

Blasting Caps and Areas

To avoid possible interference with blasting operations, turn your COMMUNICATOR OFF near electrical blasting caps or in a 'blasting area' or in areas posted:

"Turn off two-way radio". Obey all signs and instructions.

NOTE: Areas with potentially explosive atmospheres are often, but not always, clearly marked. They include fueling areas such as below deck on boats, fuel or chemical transfer or storage facilities; areas where the air contains chemicals or particles, such as grain dust, or metal powders; and any other area where you would normally be advised to turn off your vehicle engine.

CARE AND SAFETY

CARE and SAFETY

To clean the unit with a soft cloth dampened with water. Don't use cleaners or solvents on the unit; they can harm the case and leak inside, causing permanent damage. Battery contacts may be wiped with a dry, lint-free cloth.

If the unit gets wet, turn it off and remove the batteries immediately.

Dry the battery compartment with a soft cloth to minimize potential water damage. Leave cover off of the battery compartment overnight or until completely dry. Do not use the unit until completely dry.

Exposure to Radio Frequency Energy

The design of your COMMUNICATOR, which generates radio frequency (RF) electromagnetic energy (EME), complies with the following national and international standards and guidelines.

The Relevant Guidelines and Standards Are:

- FCC Report and Order FCC 96-326 (August, 1996)
- American National Standards Institute (C95-1-1992)
- National Council on Radiation Protection and Measurements (NCRP-1986)
- International Commission on Non-Ionizing Radiation Protection (ICNRP-1986)

To ensure optimal unit performance and to ensure that exposure to RF energy is within the guidelines in the above standards, the following operating procedures should be observed:

ELECTROMAGNETIC INTERFERENCE/COMPATIBILITY

Nearly every electronic device is susceptible to electromagnetic interference (EMI) if inadequately shielded, designed or otherwise configured for electromagnetic compatibility.

- Turn your unit OFF in any facilities where posted notices instruct you to do so. Hospitals or health care facilities may be using equipment that is sensitive to external RF energy.
- Turn your unit OFF when on board an aircraft when instructed to do so. Any use of the unit must be in accordance with airline regulations or crew instructions.

FCC NOTICE

INTRODUCTION

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 device, pursuant to Part 15 of FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in residential installation. This device 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 or 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 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.

SAFTY INFORMATION

When transmitting with a COMMUNICATOR, hold the COMMUNICATOR in a vertical position with its microphone 1 to 2 inches (2.5 to 5.0 cm) away from your mouth.

Keep the antenna at least 1 inch (2.5 cm) from your head and body. If you wear a COMMUNICATOR on your body, ensure that the antenna is at least one inch (2.5 cm) from your body when transmitting.

IFG-400

IFG-400 General Mobile Radio Service has been designed to enable you to use for general purpose. This is a sophisticated multi channel battery powered, 482 MHz FM Two-way Radio. The controls and accessories are easy to use and IFG-400 can be used correspond to FRS for channel 1 to 7.

Also it has a 38 sub tone(CTCSS) feature to get the clear communication without interference.

GMRS LICENSE

Use of GMRS radios within the United States require a FCC GMRS License. An individual 18 years ago of age or older, who is not a representative of a foreign government, is eligible to apply for a GMRS system license. You will need two forms the FCC, FCCForm 159 and FCC Form 605 Main Form and Schedule F. You can find the forms online at <http://www.fcc.gov/formpage.html>

GENERAL FEATURES OF IFG-400

Compact size and light weight design, Palm-Size Unit Easy viewing multi-purpose & Graphic icon LCD screen Advanced user features - Option Mode, Function Mode, Main Mode 38 CTCSS Tone Squelch system to avoid listening to interference | Clear communications up to about 5 miles

Operates on 4 AAA alkaline batteries, DC 4.8V/600mAH Rechargeable Battery Pack 6 VOX adjustable sensitivity Levels 7 Different call tone melody Two Mode Vibrator call mode Automatic squelch and power save Connector for external Earphone with PTT Microphone Belt Clip and Wrist Strap for easy carrying

GETTING STARTED

WARNING

DO NOT CHARGE THIS UNIT USING AN AC/DC ADAPTER WITH REGULAR "AAA" ALKALINE BATTERIES INSTALLED.
ONLY USE THE AC/DC ADAPTER WITH "AAA" NI-MH RECHARGEABLE BATTERIES.
(BATTERIES PACK IS INCLUDED WITH THE IFG-400 PACKAGING ONLY)

BATTERY INSTALLATION

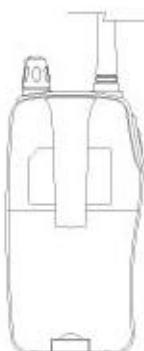


Figure 1



Figure 2

1. Release the **BCCL**(Battery Compartment Cover Latch) located on the rear side of the unit and remove the **BCC**(Battery Compartment Cover). (See Figure 1)
2. Install four (4) "AAA" alkaline batteries (not included) following the polarities as shown in Figure 2.
3. Reinstall the **BCC** and lock the **BCCL** into position.

The COMMUNICATOR has a built in PS(power saver) feature for maximum battery life. But When the COMMUNICATOR is not being used, conserve battery power by rotating the VOLUME CONTROL to OFF. Remove the batteries if the unit will not be used for a long period of time.

GETTING STARTED

Removing the BELT CLIP



Figure 3



Figure 4

1. Pull the **BELT CLIP LATCH** away from the unit.
2. While pulling the **BELT CLIP LATCH**, push up on the **BELT CLIP** to remove it from the unit, as shown in Figure 3.

Installing the Belt Clip

1. Slide the **BELT CLIP** into the **BELT CLIP SLOT** as shown in Figure 4.
2. A "click" indicates the **BELT CLIP** is locked into position.
Connecting the Adapter To charge the unit with "AAA" Ni-MH rechargeable battery pack, insert the round connector of the AC/DC Adapter into the jack on the side of the unit.

Accessory Connection

The COMMUNICATOR is designed to be used with accessories (Headphone, Microphone, etc.).

SPECIAL FEATURES

FEATURE DESCRIPTIONS



ANTENNA - Not Removal ANT

LCD Screen - Displays current channel selection and other radiostatus symbols.

CALL BUTTON - Sends a tone to other Ino GMRS units

UP ▲ / DOWN ▼ BUTTONS - Press to change channels and select FUNCTION in every editing mode.

MIC - Builtin microphone

MONITOR M BUTTON - Press and tune in and hold onto weak signals.

SPEAKER - Builtin speaker

BATTERY COMPARTMENT - Houses four (4) "AAA" alkaline or NI-MH Battery pack.

BATTERY COMPARTMENT COVER LATCH - Secures battery cover

MODE BUTTON - Allows you to shift into FUNCTION editing mode.

PTT (PUSH TO TALK) BUTTON - Press to transmit, Release to receive.

VOLUME CONTROL - Rotate VOLUME CONTROL to turn your unit ON/OFF and adjust the volume level

EARPHONE & MIC JACK - For External PTT with Microphone and Earphone

CHARGE TERMINAL - For connection to Desk Charger Adapter

CHARGE JACK - For connection to AC Wall Charger, or optional Car Cigarette Lighter

BELT CLIP