

User's Manual

GFT-42E

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.

NOTE: THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

NOTE: 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 generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that 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 try 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 into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

1. Summary

This unit is a portable FM transmitter and is designed to minimize volume and weight by using the recent miniature parts. This unit is a multi-use device and is manufactured so that the consumer can use it for various purposes at desired position. Major function of this unit as music or sound transmitter using FM ranges includes using 6 frequencies.

In addition, for use in a car, a support console for vehicle, of which mounting or removal is available for convenient use is also provided together with the unit.

2. Specification

Main body of FM transmitter

① Current consumption

- In use of AAA cell: MAX. 130mA

② Rated power cell available : 1.2V~1.5V

③ Size: 64.0mm ×23.0mm ×24.0mm (except for support console for vehicle)

④ Weight: 23g (except for battery)

⑤ Environment for use

- Keeping temperature: -30℃ ~ 80℃

- Operation temperature: -10℃ ~ 50℃

⑥ Usage: Inside or outside of structures on the ground, or within vehicle

⑦ Method: Oscillation method using circuit, FM modulation method, analog transmission method

⑧ Time of using cell

- In case of using general Alkaline cell: Maximum consecutive 10 hours

- In case of using NiMH charger: Maximum consecutive 8 hours

⑨ Public line used

- Type: Loop type of antenna adhered to inside PCB

- Gain : 0 dB

- Size : 1.7 X 3.7mm, copper material with 1.0mm interval

- Output impedance: 75 Ω

⑩ Frequency used: 106.7, 106.9, 107.1, 107.5, 107.7, 107.9 (MHz)

Support console for vehicle

① Size: 34.0mm × 27mm × 14.0mm

② Weight: 10g

③ Fixing method

- Fixing of both vehicle and support console: Both sided tape
- Fixing of both support console and transmitter: Magnet on support console and magnetic power of main body (battery + metal plate)

3. Composition

① Basic components

- Main body of FM wireless transmitter
- Support console for vehicle
- 1 AAA cell
- Connection cords for hand-free (option)

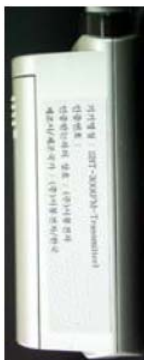
② Appearance



<Upper side >



<Lower side>



<Right side>



<Front>



<Left side>



<Rear side>

4. User's Manual

Attached User's Manual provided for sale.



User's Manual

You can hear MP3 player or CD player by using
a speaker via a FM radio in a vehicle or home.

Thank you for purchasing a portable FM wireless
transmitter made by our Seobong Electronics Co., Ltd.

After purchasing product, be sure to read this User's
Manual before using it.

Seobong Electronics Co., Ltd.

Before using product

Where questions or failure occurs during use of product,

Please call our A/S center (Main Office at Pusan) (Tel: 051-529-2711).

Caution.

- Contents of this manual may change without prior notice.
- Operation of this unit is -10°C ~ 50°C and don't leave it where temperature is too low or high for a long time. (Especially, be careful so that the unit may not be disclosed direct sunlight within a car in summer.)
- Don't this unit fall in water or keep it a wet place.
- Be careful since it may result in malfunction or failure if this unit is subject to static electricity or electrical shock.
- Don't permit the user to repair, disassemble or modify the unit at random.
- If applying unreasonable shock or forcedly pulling line-in (Audio input) cables, the unit may be damaged.

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Cautions for Safety

- Cautions for safety are classified into 'Warning' and 'Caution' and they have meaning as below:

(////) Warning

Non-observance of instructions may cause death or serious injury.

(////) Caution

Non-observance of instructions may cause insignificant injury or loss of property.

- After reading User's Manual, keep it where the user of product can easily find.
- Keep the cell at a place that the hands of a baby or child may not touch with since the cell is dangerous. If they swallowed it, immediately consult a doctor. Don't short, disassemble or heat the cell or put it in flame. Otherwise, it may result in liquid leakage, heat generation, rupture or fire, etc. If leakage liquid of the cell entered into the eyes, wipe it off with water and then immediately consult a doctor. If leaving as it is, it may result in loss of visible function.
In case of using the rechargeable cell, read manual for cell or charger and properly use the product.
- If not using the unit for a long time, separate the cell. If leaving the unit for a long time without using the unit depending on type of the cell, corrosive solution may flow out and damage to the skin.
- Don't touch with the connection part of the unit with the wet hands. It is dangerous of electrical accident.
- Don't use the unit within an airplane or at a place where use of electrical appliance (near hospital, R&D room, medical device, etc). Otherwise, it may result in accident due to wave interference.
- **Be sure to read User's Manual to the end before using the unit.**

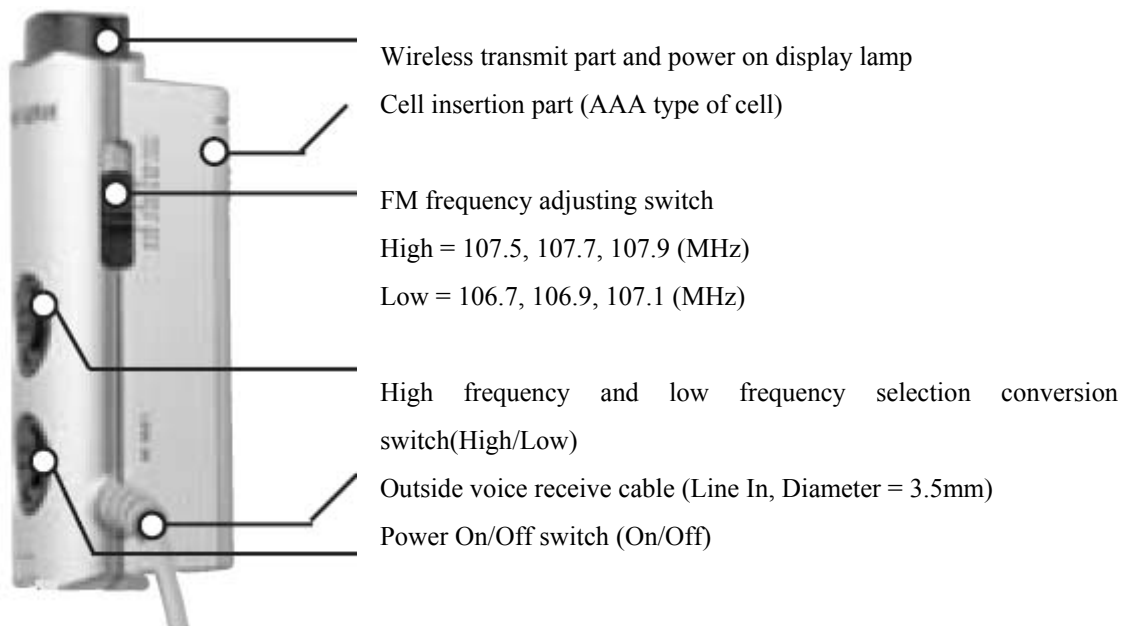
Caution in use

/// Caution

- Don't disclose the unit to direct sunlight.
Don't lay the unit near heater or hot place.
- To remove dusts, don't use a smooth cloth without using liquid solvent (thinner, benzene, etc) or wet rag, etc.
- Don't apply shock or fall the unit down. Otherwise, it may cause malfunction or failure.
- Don't forcedly switches unnecessarily. Otherwise, switch may be damaged.

Name of every part and subsidiary parts

[Name of every part]



[Subsidiary Parts]

Cell, support console for vehicle, both-side tape, User's Manual.

About method to use cell

1. Pull and open the cell cover to the arrow direction.



2. Insert the cell after checking (+), (-) polarity and close the cover. Use ‘AAA’-type of the cell standard.



- Refer to follows!!!

If using the cell for a long time with it mounted on the unit, the cell may be naturally discharged.

3. Usable time of the cell is as below.

Alkaline cell	Manganese (NiMH) cell
Maximum consecutive 10 hours	Maximum consecutive 8 hours

About basic method to use this unit

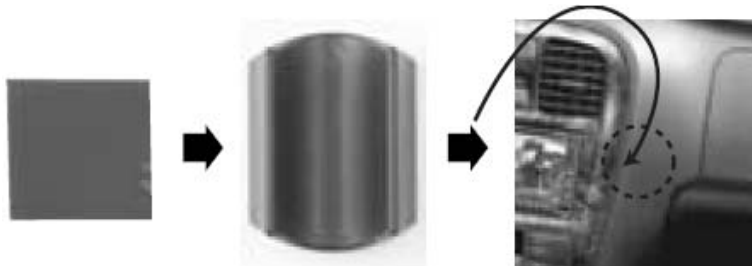
- Use instructions will be basically provided on a portable MP3 player.
- Products used with this unit are designed so that they can be connected with any device with earphone or headphone jack mounted such as portable CD player, cassette player.

[To mount support console for vehicle]

Firstly, mount support console for vehicle near the radio tuner of a car.

1. Adhere both-sided tape at the rear side of the support console for vehicle and then mount support console for vehicle near the FM radio tuner of a car.

- Mounting the support console for vehicle near the radio tuner is to minimize noise and thus it must be mounted directly near the radio tuner as possible as.



[To use the support console for vehicle mounted with the main body]

1. Mount the main body on the support console for vehicle and then insert the jack of the outside voice receipt cable (LINE IN) into the earphone jack of the MP3 player.

- Select the MP3 player at most appropriate location where noise may not occur.
- Powerful magnet is built-in within the support console for vehicle and is designed so that it is adhered to metal mounted inside of the cell cover of the main body.

2. Turn power of the unit on.

- Set the power On/Off switch (On/Off) to On position. If the wireless transmit part and the power on display lamp are turned on in red color, it means power is turned on.

3. Adjust the high frequency and low frequency conversion switch of this unit to High or Low.

- This is to select frequency that music is mostly received, of FM radio frequency of a car and frequency of this unit.

High = 107.5, 107.7, 107.9 (MHz)

Low = 106.7, 106.9, 107.1 (MHz)

4. Set the FM frequency adjustment switch of the unit to one of 6 frequencies.

- If selecting HIGH in the third step, you can select one of 107.5, 107.7, 107.9 (MHz) and if selecting LOW in the third step, you can select one of Low = 106.7, 106.9, 107.1 (MHz)

5. Turn power of the FM radio tuner in a car and then set frequency to one of frequencies selected in the fourth step.

- If using automatic search function of the FM radio, you can stop at frequency set in the above 3-4 step.

6. If replaying music by turning power of the MP3 player on, sound comes out via speakers in a car.

- If music is heard, appropriately adjust sound volume of the FM radio and the MP3 player. If output is too strong, phenomena that sound is distorted occurs. If it is too weak, noise sound is heard. For the MP3 player, sound volume of 3/4 or so (7~8 mW) is appropriate. You can hear after adjusting sound volume of the FM radio tuner as the receipt part.
- Since this unit transmits music wirelessly, noise may occur depending on direction of the antenna. Noise may also occur where there are devices to generate other noise.
- You can let music of the MP3 player via a speaker as above through FM frequency of audio or cassette radio. In this case, you can use the unit near audio where receipt is well done.

Checkpoints before requesting service

- Check following matters before requesting service and where same symptom continuously occurs in spite of it, call our service center.

1. Phenomena that the power on display lamp turns on weakly or sound is frequently interrupted occur.

- Try to replace the cell.

2. The power on display lamp does not turn on.

- Check the connection part of the power terminal is properly connected.
- Check (+), (-) polarity of the cell is proper.

3. Sound does not come out clean.

- Try to adjust volume of each device.
- Try to move this unit to appropriate position.
- Try to change frequency of the unit and frequency of the radio.
- Noise may occur where there is broadcasting with strong output like public radio broadcasting near frequency that this unit uses. In this case, try to change frequency of the unit and frequency of the radio, of 6FM frequencies.

Standards of Product

- Operation voltage:
 - 1.2V ~ 1.5V (AAA type of cell, alkaline cell or charger available)
- Current consumption:
 - In case of using cell – Max. 130 mA
- Available frequency: 106.7, 106.9, 107.1, 107.5, 107.7, 107.9 (MHz)
- Max. output: 500 mW/m (away 3m)
- Operation temperature: -10°C ~ +50°C
- Max. Operation time : In case of using AAA-type of alkaline cell
Maximum consecutive 10 times
- Appearance size (main body): 64.0 x 23.0 x 24.0 mm
- Weight (main body): About 23g.

Warranty Card (Warranty Regulations)

Purpose of this warranty represents our corporation's promise to provide free of charge repair as described below. If failure occurs during the warranty period, refer to our service center or your purchasing agency accompanying with product and this warranty. If the purchase YY/MM/DD and trade name of sale agency are omitted, you cannot be entitled with warranty. Be sure to check the warranty and if it is not provided, please apply the sale agency. Keep this warranty carefully since it can not be reissued.

<Free of charge repair regulation>

1. This product was made through strict quality control and inspection process.
2. If failure occurs during the warranty period in normal use of product following cautions of User's Manual, Caution Label on the main body, etc, the purchasing sale agency or our service center will provide free of charge repair.
3. Repair on charge will be provided in following cases even during the warranty period.
 - (1) Where the warranty will not suggested.
 - (2) Where the purchase YY/MM/DD, customer name and trade name of the sale agency are omitted, or where descriptions are modified at random.
 - (3) Where failure or damage occurs due to carelessness by the user after purchasing product.
 - (4) Where failure or damage occurs due to random repair or modification by the user.
 - (5) Where failure or damage occurs due to outside factors such as fire, public pollution, earthquake, wind/flood disaster and other Act of God.
 - (6) Where failure or damage occurs due to liquid leakage of the cell.
 - (7) Where sundry articles (cell) are exhausted and thus replacement is required.

<Instructions in post mail>

Please be cautious of following matters in post mail.

1. Please send this warranty card together with product during the warranty period.
2. Wrap product with dumping materials and put it in a box to prevent damage during transportation.
Post charges, packing expenses, etc for transportation must be borne by the customer.
3. Please utilize a registered airmail to prevent missing, etc.

Warranty Card

Product Name: FM transmitter

Model Name: SBT-400

Warranty period: 1 year

Purchase date: ____ Year ____ Month ____ Day

Purchaser	Name	
	Address	
	Telephone	
Seller	Name	
	Address	
	Telephone	

- Where failure will occur during use of this product, consult the sale agency and neighboring A/S center.
- All compensation regulations such as replacement, repair (based on charge or free of charge), refund and parts holding period shall comply with compensation regulations in accordance with the Consumer Product Act.
- For any questions or further information about this product, call the A/S center of the main office.

Seobong Electronics Co., Ltd.

- A/S contact.

This warranty card must be carefully kept since it is necessarily required for receiving warrant repair.