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#### Consumer information on the collection and disposal of old Electrical appliances and used batteries



Electrical and electronic equipment must not be disposed of via household waste! Dispose of the product at the end of its service life in accordance with the applicable legal regulations. For the return, collection points have been set up, at which you can submit electrical equipment free of charge.



By properly disposing of electrical appliances and batteries, you help to protect valuable resources and prevent possible negative effects on human health and the environment that might otherwise occur through improper waste disposal. Your local authority will inform you where such collection points are located. By properly disposing of electrical appliances and batteries, you help to protect valuable resources and prevent possible negative effects on human health and the environment that might otherwise occur through improper waste disposal. Your local authority will inform you where such collection points are located.



## User manual FM - receiver type FM-3 module



## CAUTION: BEFORE OPERATING THIS DEVICE

- 1 In order to ensure optimum performance, please read the instructions carefully. Please keep this manual for future reference.
- 2 Install this equipment in a well-ventilated, dry and clean place, away from direct sunlight, sources of heat, vibration, dust, moisture, and / or cold.
- 3 Keep this unit away from other household electrical appliances, motors, or transformers to avoid humming sounds.
- 4 Do not expose this unit to sudden temperature changes, or place this unit in a humid location (e.g. air humidified rooms) to avoid condensation inside the unit, as this may result in electric shock, fire, or damage to this product may cause personal injury.
- 5 Avoid placing this unit in a location where foreign objects can fall into the unit or where liquids can spill onto the unit. Never place on top of the unit:
  - Other components, as this may cause damage and / or discoloration of the surface of this device.
  - Burning objects (e.g., candles), as they may cause fire, damage to the appliance and / or personal injury.
  - Containers filled with liquids, as they may fall and spill liquid onto the equipment, causing electrical shock to the user and / or damage to the equipment.
- 6 Never cover this unit with newspapers, tablecloths, curtains, etc., to prevent heat dissipation. If the temperature inside the appliance increases, fire, damage to the appliance and / or personal injury may occur.
- 7 Connect the device to the power supply only after all other connections have been completed.
- 8 Never place this unit upside down, as it may cause overheating with possible damage during operation.
- 9 Never use force when operating the switches, buttons, and / or cables.
- 10 When disconnecting the power supply from the power outlet, always grasp the power plug. Never pull the cable.
- 11 Never clean this unit with chemically treated cloths, otherwise the finish may be damaged. Use a clean, dry cloth.
- 12 Use only the voltage specified for this unit. If you use a voltage higher than the specified voltage, it may cause fire, damage to this unit and / or personal injury. We Bachhaeubl Geraetebau can not be held responsible for damages caused by the use of this device with a voltage other than the specified voltage.
- 13 To prevent damage from lightning strikes, make sure that the power supply and the external antenna are not connected to a power outlet or the appliance when there is a thunderstorm.
- 14 Never attempt to modify or change of this unit. If maintenance is required, please contact Bachhaeubl Geraetebau. You should never open the housing.

- 15 If you are not going to use the unit for an extended period of time (for example during holidays), disconnect the power supply from the wall outlet.
- 16 Place this unit near the power outlet so that the power supply is easily accessible.
- 17 Be sure to read the "Troubleshooting" section to correct common operating errors before concluding that this unit is faulty.
- 18 Before transporting this unit to another location, disconnect the power supply from the wall outlet.
- 19 Condensation occurs when the ambient temperature suddenly changes. Disconnect the power supply from the wall outlet and leave the unit to rest.
- 20 Do not expose the batteries to excessive heat such as direct sunshine, fire or the like. Dispose of batteries according to local regulations.

**WARNING**

To avoid the risk of fire or electric shock, do not expose the appliance to rain or moisture.

This unit is not disconnected from the power supply as long as the power supply is not removed from the wall outlet or the USB cable is not removed from the unit. Otherwise, this unit will always take a small amount of power, or the power supply.

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## TECHNICAL SPECIFICATIONS

- Frequency range.....87 bis 108 MHz
- Power supply.....5V DC
- Nominal rated current.....100mA
- Dimensions (W x H x D).....80 x 76 x 40 mm (incl. knobs)
- Weight.....0,2 kg

Specifications subject to change at any time without notice.

## SCOPE OF DELIVERY

- FM-3 module
- Power adapter 5V DC
- jack cable with adapter for old tube devices

## WARRANTY CONDITIONS

Thank you for choosing one of our products. In the unlikely event that the warranty for the product is required, please contact us, Bachhaeubl Geraetebau.

We guarantee that this product is free of defects for a period of one year (in the EU and Switzerland) from the original purchase date. The warranty does not extend the warranty period, nor impose a new warranty. Bachhaeubl Geraetebau undertakes to repair or replace a defective product free of charge (for parts and labor) in accordance with the following conditions. This decision is the sole responsibility of Bachhaeubl Geraetebau.

### Condition:

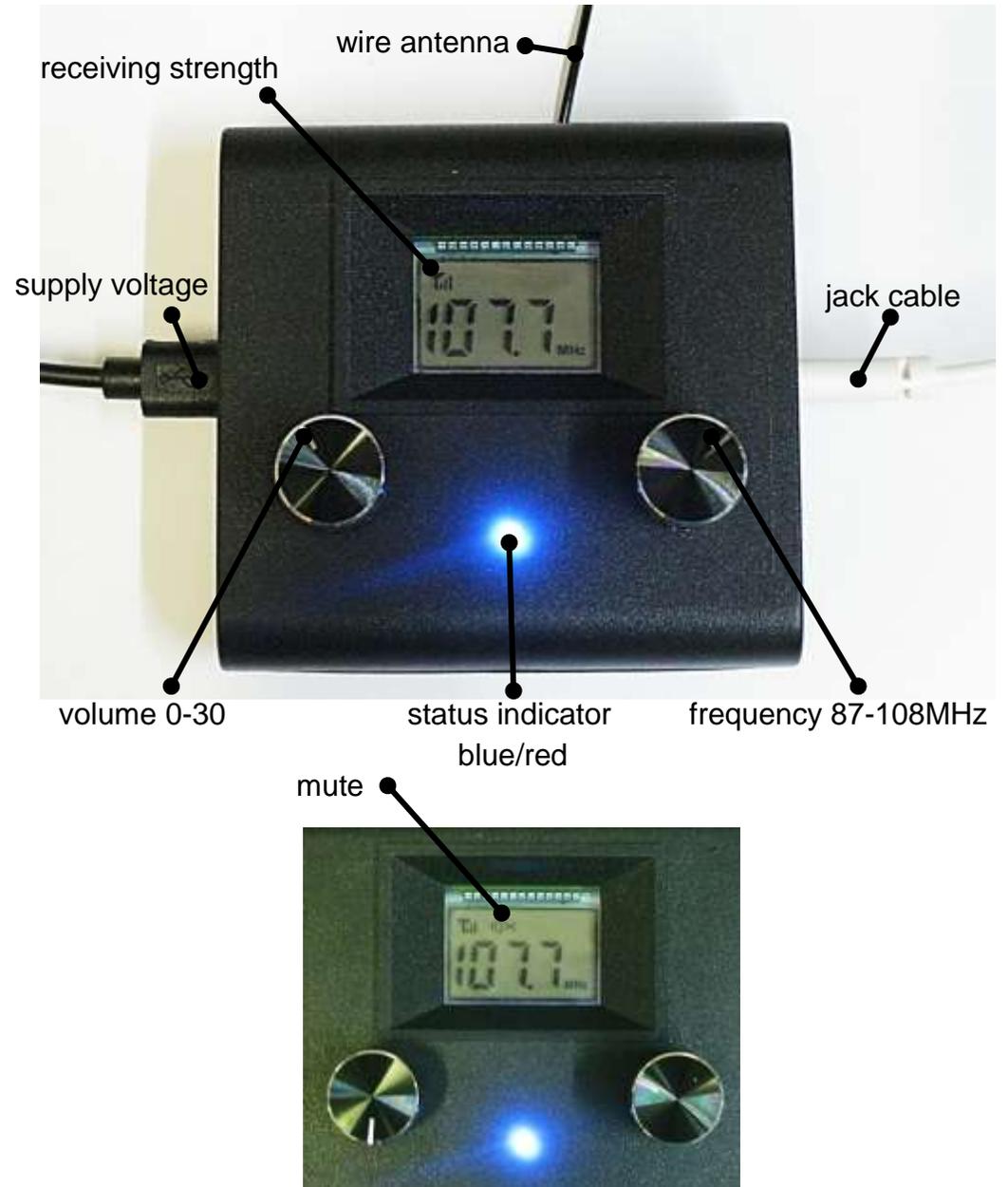
1. The defective product must be accompanied by the original invoice or the original document (the receipt must show the date of purchase and serial #), as well as an error description. In the absence of a clear confirmation of purchase, Bachhaeubl Geraetebau reserves the right to reject the cost-free service and to return the product at the expense of the customer.
2. No changes have been made to the product, unless these have been approved by Bachhaeubl Geraetebau in writing.
3. The following is excluded from warranty:
  - a) Repairs performed by the customer himself or by unauthorized third parties.
  - b) Improper packaging or handling during transportation from the customer. Please note that the correct packaging of the product being repaired is the responsibility of the returning customer.
  - c) Incorrect use, including, but not limited to, regular maintenance and repair or replacement of wearing parts, use of the product for other than normal purposes, or treatment contrary to Bachhaeubl Geraetebau instructions for proper handling, maintenance or storage and damage caused by the installation or use of the product example to others as equivalent to the technical or safety standards of the country in which the product is shipped.
  - d) Accidents, lightning, water, fire, unsuitable ventilation, leakage of the battery or any other reason can not affect by Bachhaeubl Geraetebau.
  - e) Defects in the system to which this product is connected and / or the incompatibility with products from other manufacturers.
4. Bachhaeubl Geraetebau can not be held liable for any loss or damage, whether direct, consequential or otherwise, except for the repair or replacement of a product.
5. This warranty does not affect the legal consumer rights under the applicable national law or the consumer rights against the merchant arising from a purchase contract.

## TROUBLESHOOTING

Refer to the following points if this equipment does not work properly. If the problem does not appear in the items, or if the following instructions do not help, turn the unit off, disconnect the power from the power supply, and contact Bachhaeubl Geraetebau.

- The reception is too weak or no reception:  
Reposition the antenna, or reorient the antenna.
- There is noise or noise (noise / crackling):  
Reorient the antenna, if necessary, do not place the antenna close to the main cable, or keep the LF cable away from power cables.
- Distortions occur, clear reception with an antenna is not possible:  
If there are multi-path interferences, set up the antenna so that no multi-point interferences occur.
- There are constant crackling noises:  
Noises can originate from fluorescent lamps, motors, mobile phones and other electrical devices. Remedy is only possible by minimizing the interference factors, but it is very difficult to completely eliminate any noise.
- The reception is suddenly gone:  
Can occur when a mobile phone is nearby or an electrical device is switched on or off. Re-adjust the station using the tuning knob. If this does not work, turn off the power, wait briefly, turn the power on, and try again.
- A "humming noise" can be heard:  
The cable routing or cables are faulty. Connect all cables properly, do not place the NF line near power cables. If the problem persists, the cables may be defect.

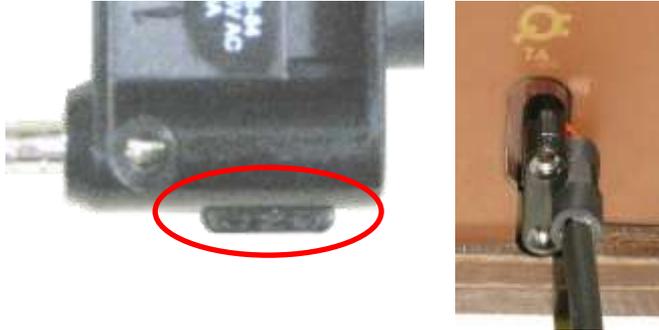
## COMMISSIONING OR EXPLANATION OF THE DEVICE



- Commissioning:

1. Place the device and make sure that the device has a secure footing.
2. First, make the cable connection between the device and the terminal. Use the supplied jack cable with the adapter.

**Make sure** that you connect the adapter correctly to the pickup input of the tube unit. The adapter is polarized and labeled GND on the side (see picture below left). This pole is connected to the device and must also be connected to the ground of the tube device (see instruction manual tube device). If the polarity is incorrect, the loudspeaker buzzes or whistles. We assume no liability if a defect of both devices occurs, due to the wrong connection of the adapter.



3. Now you can connect the device to the supplied power supply. The device should turn on automatically.
4. Then set the antenna so that the best possible reception can be secured.
5. If you want to switch off the device, disconnect the power supply from the wall outlet.

- Further explanation:

1. Volume: The volume can be adjusted in range 0-30, by briefly pressing the volume knob the output can be muted. Press again to restore volume.
2. Frequency: The frequency can be adjusted in the range of 87-108MHz with a step width of 0.1MHz.
3. Status indicator:  
Lights up blue - the station can be received.  
Lights up red - the station can not be received or the signal is too weak, and the output automatically switches to mute. The transmitter may be received when the antenna is reoriented.