

Operating Instructions

National
PORTABLE RADIO
Panasonic

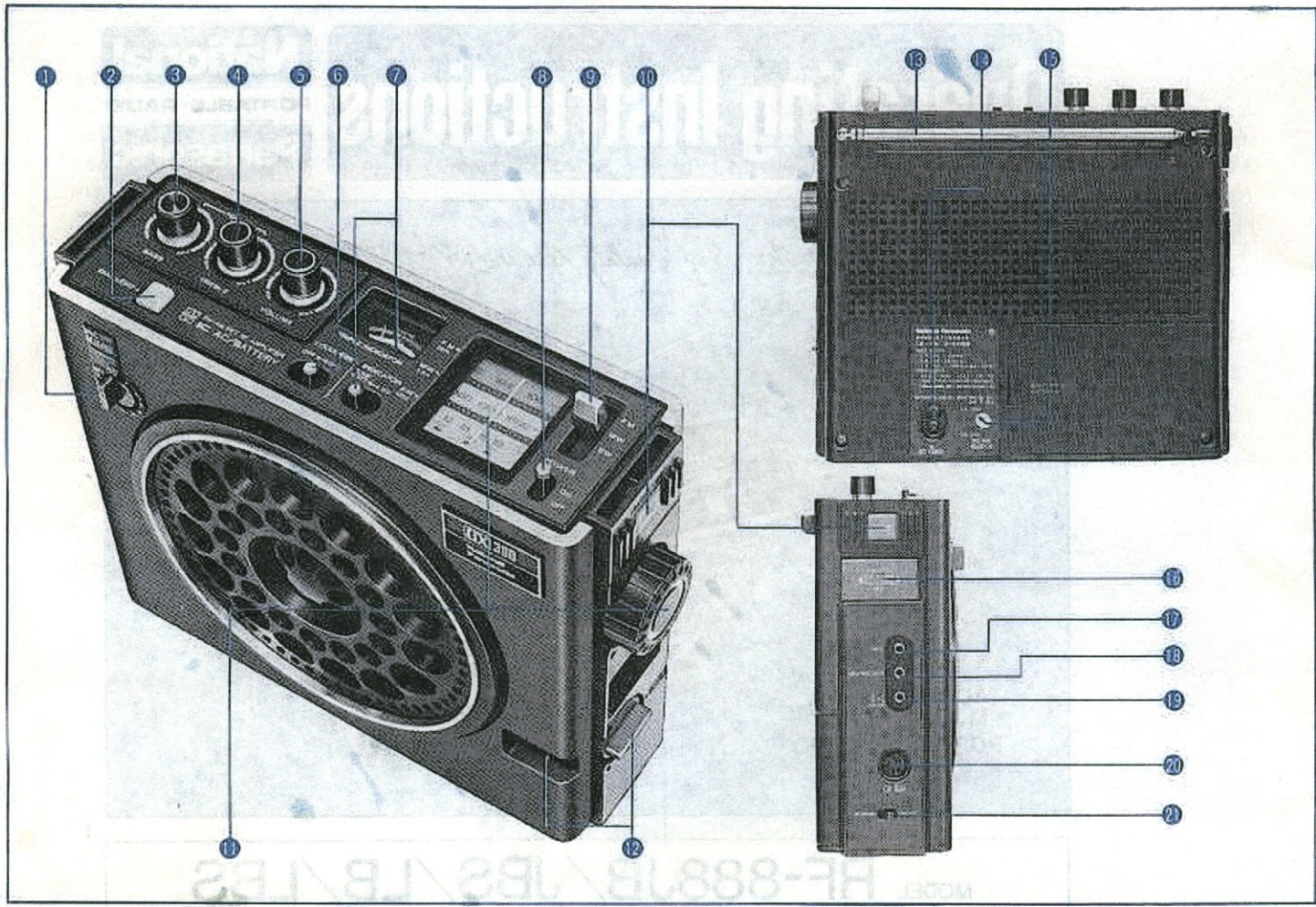
The Sound of Quality Around the World



AC/BATTERY
FM-AM 3-BAND
PORTABLE RADIO

MODEL **RF-888JB/JBS/LB/LBS**

Before operating this set, please read these instructions completely



Read the manual and these instructions completely.

POWER SUPPLY

Battery operation:

- 1) Open the battery cover at the back of the unit by sliding it to the right as shown in Fig. 1.
- 2) Insert four "D" size (National UM-1 or equivalent) flashlight batteries into the battery compartment. OBSERVE CORRECT POLARITY (Fig. 2).
For easy battery removal, place the batteries over the cloth band.
- 3) Replace the battery cover.

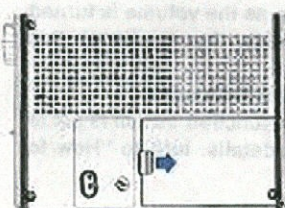


Fig. 1

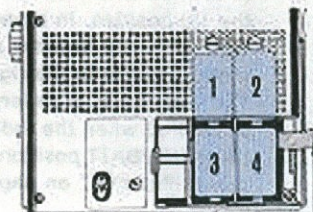


Fig. 2 cloth band

AC power operation:

- 1) Before playing this unit, ascertain the local AC voltage. This unit is set to operate on 220~240V AC, therefore please check the Voltage selector (Fig. 3). If your household voltage is 110~125V AC, set the Voltage selector by turning it to 110~125V with screwdriver.
However, Model RF-888JBS/LBS operates at 50 Hz, 220V AC only. Therefore, no Voltage selector is equipped.
- 2) Connect the supplied AC power cord to the External power jack on the back of the unit and to an AC power

outlet.

The power source will automatically change from the batteries to your household current.

Note: If the AC power cord plug does not fit the AC power outlet, use the plug adaptor furnished with the unit (Fig. 3).

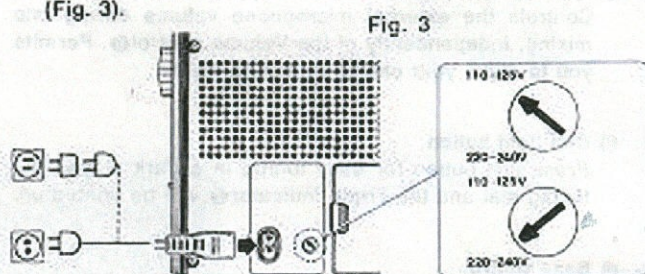
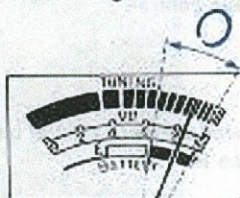


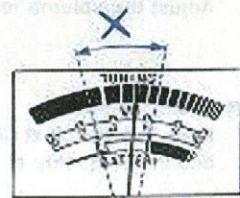
Fig. 3

How to check batteries:

- 1) Set the Indicator function switch (Fig. 4) to the TUNE/BATT position and turn the Volume control (Fig. 5) to the utmost left.
- 2) Turn the Tuning control (Fig. 6) deliberately so that the unit is tuned out of any broadcasts. The needle of the Triple Indicator (Fig. 7) then indicates condition of batteries.



Deflection of the needle to the green zone indicates good batteries



The needle in the orange zone indicates weak batteries. Replace all batteries with new ones.

LOCATION OF CONTROLS

1 Mic mixing control

Controls the external microphone volume during mic mixing, independently of the Volume control 5. Permits you to make your choice of mixing levels.

2 Dial light button

Press this button for easy tuning in a dark place. The tuning dial and the Triple indicator 7 will be lighted up.

3 Bass control

4 Treble control

These controls let you "tailor" the sound to suit the tone quality to your taste.

5 Volume control

Adjust the volume level with this control.

6 Loudness switch

Keep this switch at ON position for compensation of bass and treble quality at low volume levels.

7 Triple indicator/Indicator function switch

The triple indicator functions as a tuning meter, VU meter or battery check indicator according to the position of the Indicator function switch 7.

• The function as a tuning meter:

Is fulfilled when the Indicator function switch is set to the TUNE/BATT position. Turn the Tuning control 1 so that the needle of this meter deflects to the utmost left.

• The function as a VU meter:

Is fulfilled when the Indicator function switch is set to the VU position. In proportion as the volume is turned high with the Volume control 5, the needle of this meter deflects to the right.

• The function as a battery check indicator:

Is fulfilled when the Indicator function switch is set to the TUNE/BATT position. For details, turn to "How to check batteries" on page 3.

8 Power on/off switch

Switches the unit on or off.

9 Band selector

Use this selector to choose the desired radio broadcast band:

FM, MW or SWRF-888JB/JBS

FM, LW or MWRF-888LB/LBS

⑩ Handle lock button

Push this button for detaching the handle. For details, refer to page 8.

⑪ Tuning control/Tuning dial

Permit the unit to be tuned in any broadcast you want to listen to.

⑫ Power on/off timer

Permits the unit to be automatically switched on or off within the limits of about 120 minutes after the timer is set.

✦ To switch on the unit:

Set the Power on/off switch ⑬ to the ON position. Turn the Power on/off timer clockwise until the desired time, after the lapse of which you want the unit to be automatically switched on, appears in the center of the set time indicator.

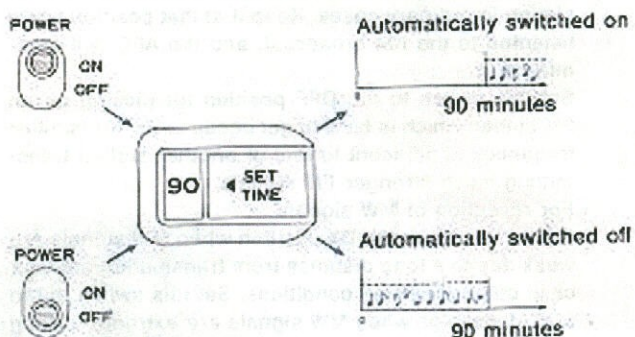
✦ To switch off the unit:

Set the Power on/off switch ⑬ to the OFF position. Turn the Power on/off timer clockwise until the desired time, after the lapse of which you want the unit to be automatically switched off, appears in the center of the set time indicator.

Notes: 1. Figures appearing in the set time indicator express the time in minutes.

2. When turning the Power on/off timer ⑭ to set the automatic "switch-off" time, first go beyond the target time by several minutes and then return to the target time.

(Example)



⑬ Telescopic whip antenna

Pull out this antenna when listening to FM or SW (RF-888JB/JBS only) broadcasts (Refer to page 6).

⑭ External power jack

Refer to page 3.

⑮ Voltage selector

This radio is set at the factory to operate at 220~240V AC. If your household voltage is 110~125V AC, reset this selector (refer to page 3).

⑯ AFC/DX-LOCAL selector switch

This is used only when listening to an FM or MW broadcast, and has nothing to do with the reception of SW broadcasts.

• For reception of FM broadcasts:

Set this switch to the ON position when tuning in an FM station in ordinary cases. Keep it at that position while listening to the FM broadcast, and the AFC will minimize drift.

Set this switch to the OFF position for picking up an FM station which is hard to get because its transmitter frequency is adjacent to that of another station transmitting much stronger FM signals.

• For reception of MW signals:

Set this switch to the DX position when MW signals are weak due to a long distance from transmitting antenna or to other receiving conditions. Set this switch to the LOCAL position when MW signals are extremely strong or external noise is especially noticeable.

① **Microphone Jack**

Refer to page 7.

② **Mixed recording output Jack**

Refer to page 7.

③ **Earphone/external speaker Jack**

Connect the supplied earphone or external speaker (impedance: 8Ω) to this jack. The speaker in the radio is automatically disconnected when the plug is inserted.

④ **Recording/playback Jack**

Connect the tape recorder or record player to this jack (Refer to page 7.)

⑤ **Radio-phono selector switch**

Slide this switch to the "RADIO" to receive broadcast program. To play a record player connected to the unit, slide it to the "PHONO".

OPERATING THE RADIO

- 1) To switch the radio on, set the Power on/off switch ⑥ to the "ON" position.
- 2) Set the Power on/off timer ⑦ to the "0" position.
- 3) Set the Radio-phono selector switch ⑤ to the "RADIO" position.
- 4) Choose the desired radio broadcast band by setting the band selector ⑧.
FM, MW or SW.....RF-88JB/JBS
FM, LW or MW.....RF-88LB/LBS
- 5) Set the AFC/DX-LOCAL selector switch ⑨ to "ON/DX" position.
- 6) Adjust the Volume control ⑩ to the desired sound level.
- 7) Set the Indicator function switch ⑪ to "TUNE" position.
- 8) Select the station by turning the Tuning control ⑫. Proper tuning is obtained when the needle of the Triple indicator ⑬ deflects most widely to the left.
- 9) Adjust Bass ⑭ and Treble ⑮ controls to obtain the desired tone quality.
- 10) To turn the radio off, set the Power on/off switch ⑥ to the "OFF" position.

ANTENNAS

- The powerful built-in ferrite core antenna is directional. To improve reception of weak stations, slowly rotate the unit to obtain the best possible MW and SW (RF-88JB/JBS only) reception.
- For maximum SW signals, pull out the Telescopic whip antenna ⑰ in a vertical position.
- To receive maximum FM signals, pull out the Telescopic whip antenna and rotate until optimum reception is obtained. Retune as necessary.

MIC MIXING

• With a radio program:

Connect an external microphone to the Microphone jack ①. Voices picked up by the microphone are mixed up with the radio program. This permits you to sing a song to the accompaniment of the radio music.

The volume of the radio music and of the voices picked up by the microphone must be adjusted separately. The former is adjusted with the Volume control ⑥ while the latter with the Mic mixing control ①.

• With a sound other than a radio program:

In addition to connecting an external microphone to the Microphone jack ①, connect a record player or tape deck to this unit. Voices picked up by the microphone are mixed up with the sound coming out of the record player or tape deck. The volume of the voices picked up by the microphone is adjusted with the Mic mixing control ① while the volume of the sound coming out of the record player or the tape deck is adjusted with the Volume control ⑥.

• Mixed recording:

Mixed sounds can be recorded on a tape by connecting a tape recorder to the Mixed recording output jack ②.

The volume of each component, of which the mixed sounds are made up, must be adjusted separately, that is, either with the Mic mixing control ① or with the Volume control ⑥.

RECORDING/PLAYBACK

Plug the appropriate cable from Recording/Playback jack ③ to the tape recorder or the record player.

• To record:

Tune to the desired program as you would in usual radio reception. You can record while listening at your desired volume level because volume and tone controls do not affect the recording level.

• To play back:

Set the Radio-Phono selector switch ④ to the "PHONO" position.

Use the Volume ⑥, Loudness ⑦, Bass ⑧ and Treble ⑨ controls as you normally would.

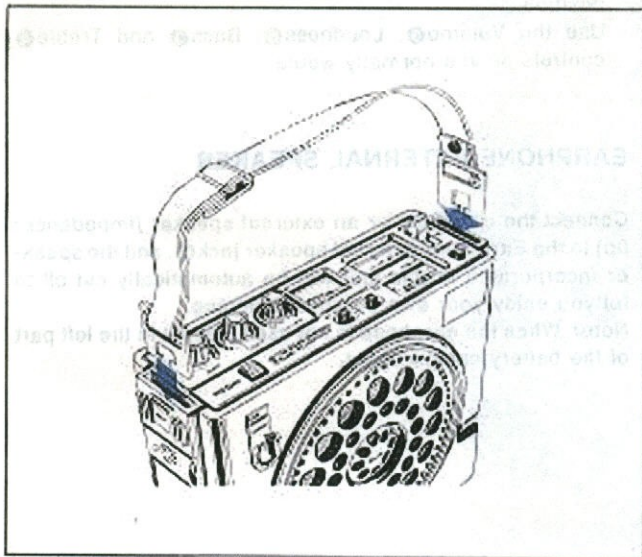
EARPHONE/EXTERNAL SPEAKER

Connect the earphone or an external speaker (impedance: 8Ω) to the Earphone/external speaker jack ⑤, and the speaker incorporated in this unit will be automatically cut off to let you enjoy your own personal listening.

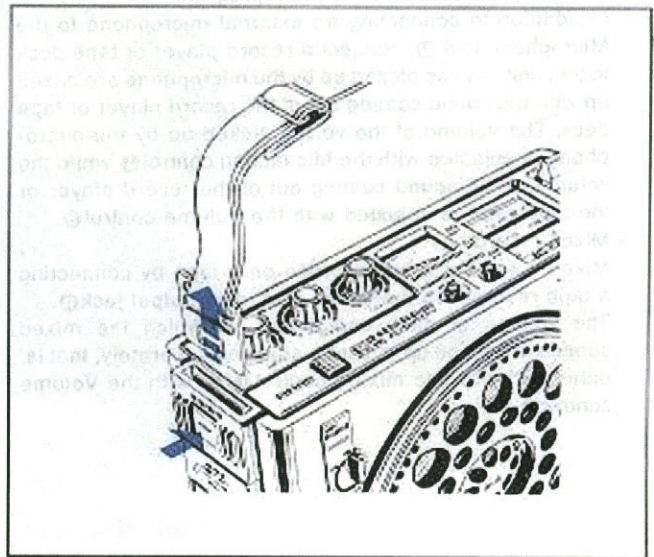
Note: When the earphone is not used, keep it in the left part of the battery compartment.

DETACHABLE HANDLE

How to attach handle to the cabinet:
Insert the hooks provided at both ends of the handle into the slots provided on both sides of the cabinet. The clicks indicate that the hooks are properly locked. The length of the handle can be adjusted with a buckle.



How to detach handle from the cabinet:
Pull the handle while pushing the Handle lock button provided on either side of the cabinet, and the hook will come out of the slot.



HELPFUL HINTS

- If the unit is not used for any length of time or the unit is used only from an AC power source, remove the batteries to prevent damage due to battery leakage.
- Do not subject the unit to a temperature of over 50°C (120°F), as transistor characteristics may be adversely affected by heat. If the unit is directly exposed to the sun for a long time in a car with windows closed, performance may be adversely affected and the cabinet may become disfigured.
- DO NOT USE A SOLUTION CONTAINING BENZOL, PETROLEUM, ETC. to clean the cabinet. Wipe off dust and stains with a soft cloth saturated with soap and water only.
- Even if power on/off switch is OFF, some parts of unit still have line voltage. Be sure to pull off the AC power cord before taking off.

Även om strömbrytaren är i "OFF"-läge, har fortfarande en del av apparaten nätspänning. Kontrollera att ni tar ut nätsladden ur vägguttaget innan ni tar bort bakstycket.

SPECIFICATIONS

Freq. Range:	RF-88JB/JBS FM 87.5~108 MHz MW 520~1610 kHz SW 5.9~18 MHz RF-88LB/LBS FM 87.5~108 MHz LW 145~285 kHz MW 520~1610 kHz
Integrated Circuit:	1
Transistors:	15 (with 1 FET)
Power Output:	3.3W (Maximum)
Speaker:	16 cm PM dynamic speaker
Power Source:	Four "D" size flashlight batteries (National UM-1 or equivalent) 6V or AC 50-60Hz, 110~125V/220~240VRF-88JB/LB AC 50 Hz, 220V onlyRF-88JBS/LBS