

R602BPWI

ORIGINAL II AM/FM RADIO & BLUETOOTH SPEAKER

USER'S MANUAL

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Brief Introduction

R602BPWI is a stereo FM/AM radio with vacuum tube display (13) (usually called as "magic-eye"). R602BPWI is a stereo radio with built-in double speakers and R602BPWI is the one which needs to be connected with an external speaker for one of the two tracks. With excellent circuit design and high-quality speakers, matching high-quality components, the radio has a superior tone.

Use Instructions

Power supply

When leaving the factory, the device has been inputted with 230VAC civil voltage and under such a status, 120V ~240V AC civil power supply can be applied. Before use, please check the power supply, and then plug the power cord (4) into civil power supply socket.

Power and volume switch

The volume control knob (3) on the front panel of the radio can be used as a power switch as well. Turn clockwise is to turn on and anti-clockwise is to turn off. After turning the radio on, please turn the volume to an appropriate position (usually the scale of the volume control knob will point to a position of ten o'clock).

Wave band selection

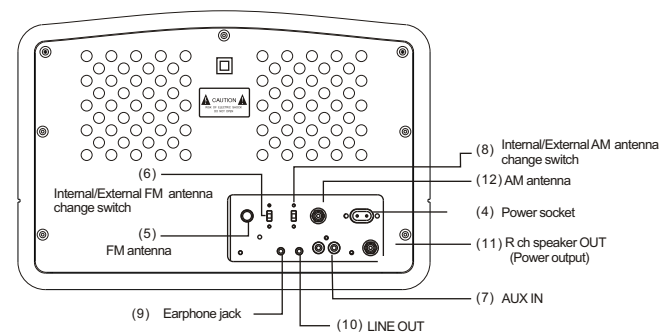
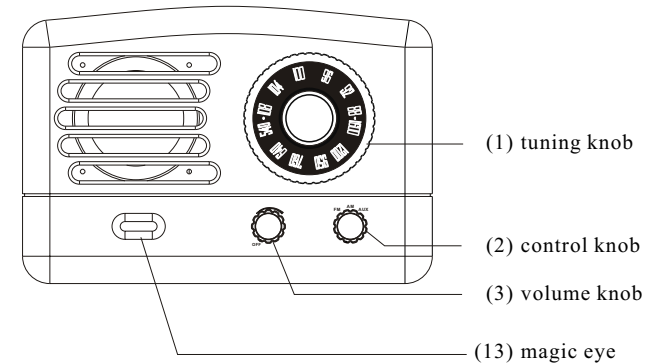
Knob (2) on the front panel is the wave band selection knob, above the knob, there is a wave band indication which shows the wave band you have selected.

There is a FM/FM st band indication. Please first turn the knob (2) to FM st position, then connect a sub-speaker (11) or an earphone (9) with the device for stereo effect. (for R602BPWI only. note: sub-speaker is optional). But you can get higher S/N Ratio when band switch is located on the position of "FM" position.

Station search

With the tuning knob (1) on the panel, you can choose the programs you like. In such a time, if the reception is not so good or there is no signal reception, please check the antenna.

Figure



(Figure 1)

Trouble Shooting

Trouble	Possible Causes	Performance	Resolutions
No sound	1. Not connected with power supply 2. Fuse broken 3. Wrong band position 4. Station stopped	1. LED without light 2. LED without light 3. No signal 4. Noise appears	1. Connect to power supply 2. Replace fuse 3. Change band & antenna switch to correct position 4. Try to receive other stations
Distortion	1. AM inexact 2. Too high volume	1. Distortion with noise	1. Adjust AM 2. Reduce the volume to no distortion position
Significant noise	1. Badly antenna connection 2. Wrong antenna position 3. Disturbance from other home appliances	1. Low signal from station, significant hiss or buzz 2. Only receiving several programs together with significant noise 3. Noise accompanied with station	1. Connect antenna correctly 2. Change antenna switch to correct position 3. Turn off other appliances or change environment

Technical Data

- (Frequency Range) :
FM 87~108MHz
AM 520~1700KHz
- Stereo Separation: >30db
- S / N radio:
FM >45db
AM >35db
- S/N sensitivity:
FM < 5 uv
AM < 1 mv
- Distortion: FM <1%, AM <2%
- No distortion output power : $\geq 2 \times 16W (4\Omega)$
- One Signal Selectivity: less than 30dB
- Speaker frequency Response: 80Hz~16KHz
- Amplifier Frequency Response: 30Hz~20KHz
- Internal Speaker: 4" / 4 Ω 15W
- Main IC Models: TDA7265、NE5532、PHILIPS TEA5711
- AC power: AC220V
- Product size: 300 x 200 x 205 mm(R602-1/R602PW)
425 x 200 x 205 mm(R602S-1/R602SW)
- GW: 6.7KG(R602-1/R602PW) 7.0KG (R602S-1/R602SW)

Packing List

Radio	1 pc
power cord	1 pc
External FM Antenna	1 pc
Spare fuse	2 pcs
User's manual	1 pc
Passive speaker (optional for R602/R602PW only)	1 pc

How to use antenna

FM broadcasting

A built-in FM antenna(5) has been designed and provided in the device (figure II). At a common urban place (not far away from the transmission station), no external antenna is needed. When it's necessary to use an external antenna, please turn the "Internal/ External" change switch(6) in the rear of the radio (figure II) to "External". The external antenna for this device can be special external antenna for special cable antenna.

AM broadcasting

A built-in AM antenna(12) has been designed and provided in the radio (figure II). At a common urban place (not far away from the transmission station), no external antenna is needed. When the reception is not so good, please change the "Internal/External AM antenna change switch"(8) on the back of the radio (figure II) to "External".

Audio input and output

Input: an AUX IN jack(7) is provided on the back of the radio (figure II). External signal sources (CD, PC, Mp3, etc.) can be connected to this jack through RCA audio cable. When using, please turn the function selection knob(2) on the front panel of the radio to "AUX IN".

Output: there is LINE OUT jack(10) on the back of the radio (figure II). External recording or amplifying devices can be connected to this jack through 3.5mm audio cable. At this time, you can record or amplify the signal that the radio is receiving. An earphone jack(9) has been provided on the back (figure II) of radio, which can be connected with a stereo earphone. When a subwoofer is needed, please connect to "R ch speaker OUT" jack(11) on the back of radio. (figure II)

Features

- Excellent circuit, GaAs MES-FET cell-based design and high-quality components make the radio have sensitive reception, good channel selection ability and strong anti-jamming capability.
- Excellent circuit design and special speakers are adopted to make the sound vigorous and elegant.
- Particular Cat's-eye display circuit
- Wooden case, classical design
- A wide choice for stereo input & output: AUX IN; LINE OUT; PHONE OUT; POWER OUT.
- Strong output power

FCCC warning

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:

- o Reorient or relocate the receiving antenna.
- o Increase the separation between the equipment and receiver.
- o Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- o Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

ISED warning statements

-English Warning Statement:

"This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device."

The digital apparatus complies with Canadian CAN ICES-3 (B) /NMB-3(B).

-French Warning Statement:

"Le présent appareil est conforme aux CNR d'Industrie Canada Applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement."

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption ratio (SAR). Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'IC. Cet équipement émet une énergie RF très faible qui est considérée conforme sans évaluation du débit d'absorption spécifique (DAS).

The device complies with RF specifications.
