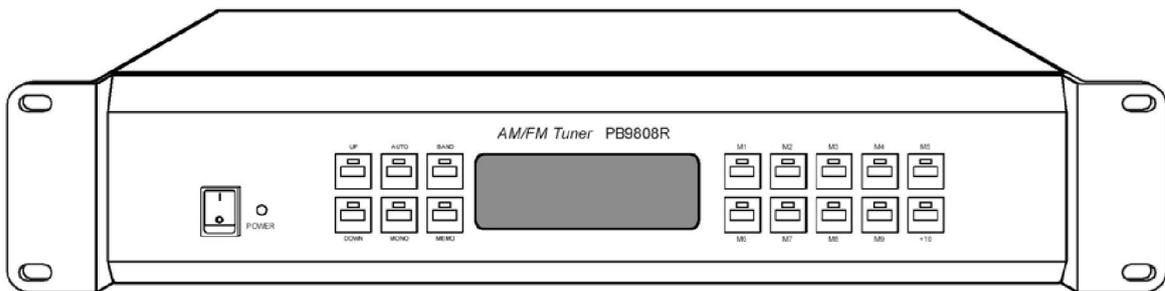




PB9808R

AM/FM TUNER



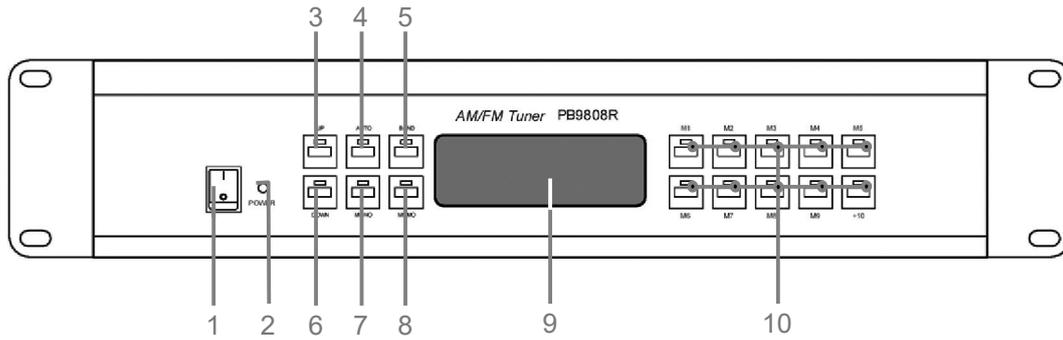
OWNER'S MANUAL

Before operating, please read this manual completely.

FEATURES

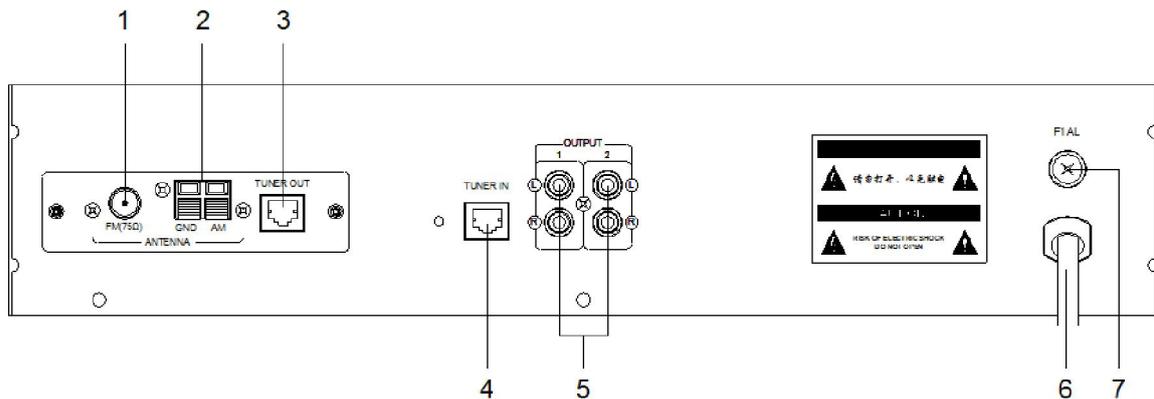
- **Digital tuner with MPU control.**
- **Tuner in module design, which can be separated from the main unit to place at a position for better reception of the signal.**
- **Touch key and VFD display.**
- **40 memories for each AM & FM.**
- **Auto save with auto station search.**
- **Level meter for audio output.**
- **Memory function after power off.**

FRONT PANEL



- | | |
|--|-------------------------|
| 1 Power switch (is power on and the “power indicator” is on) | 6 Down search key |
| 2 Power indicator | 7 Mono/Stereo shift key |
| 3 Up search key | 8 Memory key |
| 4 Auto search key | 9 Display screen |
| 5 Band shift key | 10 Digital keys |

REAR PANEL

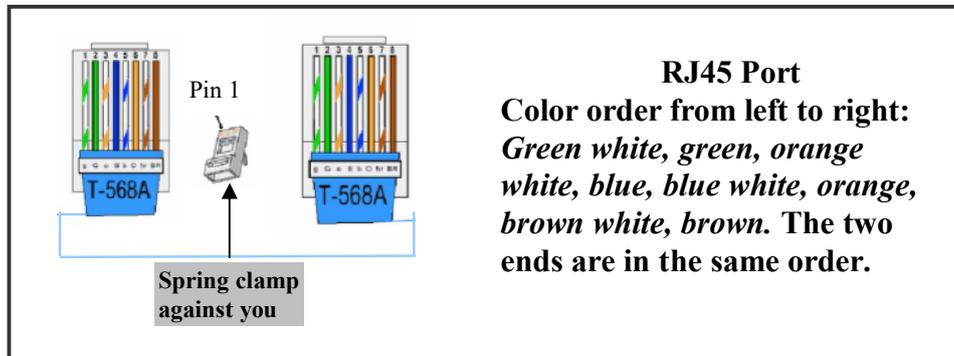


- | | |
|------------------------------|-----------------|
| 1 FM antenna jack | 5 Output jack |
| 2 AM antenna jack | 6 AC power cord |
| 3 Tuner module signal output | 7 AC Power fuse |
| 4 Tuner signal input | |

CONNECTIONS

With module design, the tuner can be installed on the main unit or be separated from the main unit to place at a position for better signal receiving. The main unit is connected to the tuner by using T585A-T585A cable.

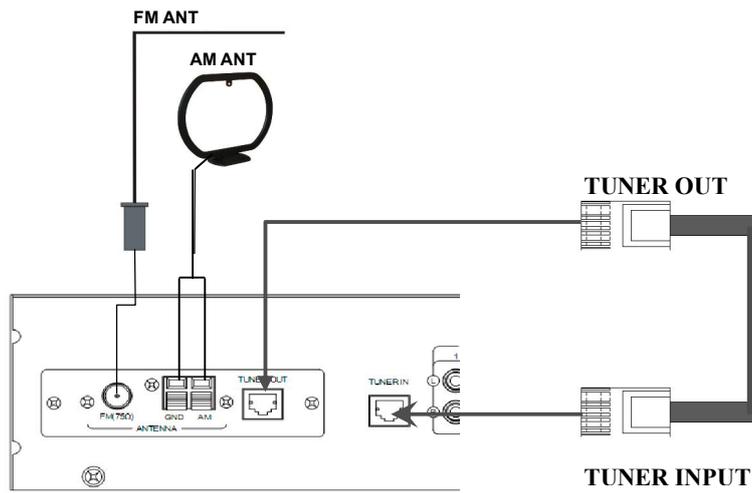
When the tuner is separated from the main unit and the extension cable is required, please fabricate the cable as shown below:



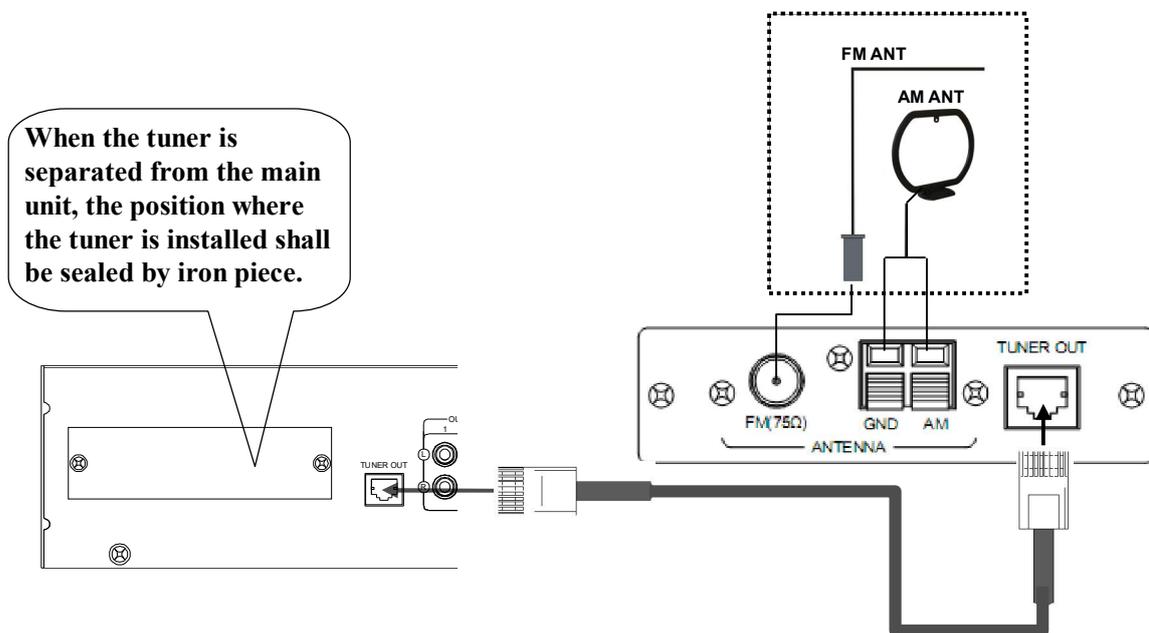
PACKING LIST

| Sequence number | Category | Amount |
|-----------------|--|--------|
| 1 | Screw(diameter:5mm, length:19mm, for installation) | 4 |
| 2 | SY542 connectors (AV Audio line) | 1 |
| 3 | AM antenna and antenna holder | 1 |
| 4 | FM antenna | 1 |
| 5 | Network cable T585A-T585A | 1 |
| 6 | PB9808R Dust guard | 1 |
| 7 | ADAPTOR 6.35MM PLUG TO RCA | 2 |
| 8 | Warranty Card | 1 |
| 9 | Certificate | 1 |
| 10 | User's Manual | 1 |
| 11 | Plastic gasket | 4 |

Connection for tuner module installed on main unit:



Connection for tuner module separated from main unit:

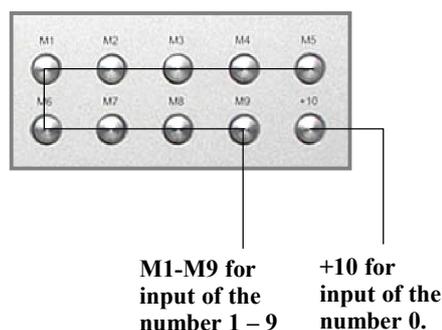


OPERATION

1. Digital Keys

As shown on right, the digital keys on the front panel have two functions:

- ① Input of storage number when you store and recall the radio channel manually.
- ② Direct input of radio frequency value when you want to select the radio station.



How to operate the digital keys:

- 1) Input the storage number: To store the radio station manually, please firstly press the storage key “MEMO”. When “CH_ _” appears on the display, press the digital key to input the storage number and press “MEMO” again. Each band of the unit is available with 40 storage numbers.
 - a) To input the storage number 1-4, firstly press “+10” key (to input the number 0) and then press “M4” key (to input the number 4);
 - b) To input the storage number 5-39, you may directly press the corresponding digital keys. For example, you may directly press “M5” to input the storage number 5; press “M2, M9” to input the storage number 29; press “M3, M9” to input the storage number 39.
 - c) When inputting the storage number 40, you may directly press “M4” key.
- 2) Input the radio frequency value: The radio frequency range of FM band is 87.00MHz - 108.00MHz, and the radio frequency range of AM band is 522kHz-1620kHz. To select a radio station, you may directly input the radio frequency value. To do this, firstly hold down “AUTO” key until the symbol “_ _ _ _” appears on the screen. Then, release the key and directly press the digital key to input the radio frequency value. After that, the unit will play the radio station you input.
 - a) To input the frequency value of FM band below 100MHz, you may directly press the corresponding digital key. For example, if the frequency value to input is 91.40MHz, you may directly press “M9, M1, M4, +10”. To input the value over 100MHz, firstly press “M1”, so that “10” will appear on the screen. Then, press the corresponding digital key. For example, if the frequency value to input is 106.60MHz, you may directly press “M1, M6, M6, +10”.

Notes: For FM band, the frequency step between two radio frequencies is 50kHz; therefore, the last digit of each radio frequency value is 0 or 5. If the last digit of frequency value you input is the number 1 – 4, the main unit will automatically correct it to 0. If the last digit you input is 6 – 9, the main unit will automatically correct it to 5.

- b) To input the frequency value of AM band, you may directly press the corresponding digital key. For example, if the frequency value to input is 522kHz, you may directly press “M5、M2、M2”. If the frequency value to input is 1620kHz, you may directly press “M1、M6、M2、+10”. The last digit of AM frequency value is deducted by 9 and then rounded to automatically correct to the right frequency value.

2. The purpose of Multifunction Key *AUTO*

The “*AUTO*” key on the front panel is a multifunction key, which can be used for automatic search of the radio frequency and store the channel or for direct input of the radio frequency value.

- ① For automatic search of the radio frequency and store the channel: Slightly touch the “*AUTO*” key. When “*AUTO*” appears and flashes on the screen, you may slightly touch “*UP*” or “*DOWN*” once to automatically search the radio frequencies and store the channels from low to high or from high to low.

Notes: During automatic search and storage, it is possible that some radio stations cannot be correctly stored due to weak signal. In this case, you may manually store this station. That is, manually search this radio station and then press storage key to store it.

- ② For direct input of the radio frequency value: Hold “*AUTO*” until “_ _ _ _” symbol appears on the screen. Release it and then directly press the digital key to input the frequency value. After that, the unit will play the radio station you input. (For operation methods, please see the *Digital Key* section).

3. Select Radio Station

The main unit provides 3 modes for selection of the radio station, that is, direct selection, recall of the storage number and direct input of the radio frequency value.

- ① Direct selection: Press *BAND* to select the receiving band. Press *UP* or *DOWN*. Each press will increase or decrease the receiving frequency by one step (For FM, one step is 50kHz; for AM, one step is 9kHz). If you press down *UP* or *DOWN* key for over 1second, the unit will enter into auto search mode, in which case the receiving frequency will increased or decreased continually. The search will be automatically stopped if any radio station is found. The search will also be stopped if there remains no radio station after automatic search for one cycle (One cycle refers to that the frequency value at the start of search is reached again).
- ② Recall of storage number: Press *BAND* to select the receiving band. Use the digital key M1 ~ +10 to recall the radio station stored on the number 1 to 40, How to operate: Slightly touch “+10” key. When the screen displays “CH0_”, press M1 to M9 again to recall the radio station of storage number 1 to 9. Slightly touch “+10” twice. When the screen displays “CH_ _”, press the digital key to recall the radio station of storage number 1 to 40. (For the input of storage number, please see the description in Section 1)

of *Digital Keys*).

- ③ **Direct input of the radio frequency value:** Directly input the radio frequency value, so that you may play this radio station. (For operation methods, please see the Digital Key section).

4. Store Radio Station

The main unit provides 2 modes for storage of radio station, that is, automatic search and store; and manual storage.

- ① **Automatic search and store:** Press *BAND* to select the receiving band. When "AUTO" appears and flashes on the screen, press *UP* or *DOWN* to enter into automatic search and store mode.
 - a) Press *UP* for automatic and quick search and store from low to high (e.g. search and store of FM low frequency 87.00MHz to high frequency 108.00MHz). The radio stations searched will be stored sequentially to the number from 1 to 40 for recall in the future. When completing the automatic search of the full frequency range of this band or the received stations exceed 40, the unit will automatically stop the search. After that, the unit will automatically recall the radio station stored on number 1 and play it.
 - b) Press *DOWN* for automatic and quick search and storage from high to low (e.g. search and store of FM high frequency 108.00MHz to low frequency 87.00MHz). The radio stations searched will be stored sequentially to the number from 1 to 40 for recall in the future. When completing the automatic search of the full frequency range of this band or the received stations exceed 40, the unit will automatically stop the search. After that, the unit will automatically recall the radio station stored on number 1 and play it.
- ② **Manual storage:** The radio station to be manually stored may be the one you are playing now or the one you select by using the 3 selection methods above. To store, press *MEMO* key, so that the red "MEM" on the screen will flash and "CH__" symbol will be shown. When "__" flashes, use the digital keys to input the storage number. Then, press "*MEMO*" again to store the currently displayed channel to the storage number you input. The last storage input is the effective storage.

(For the input of storage number, please see the description in Section 1) of *Digital Keys*).

5. Mono/Stereo switching

This function is just for FM mode only. Press *MONO* key in circle for switching between Stereo Mode and Mono Mode of the tuner. The stereo function will be activated automatically with the symbol "STEREO" flashing in Stereo Mode while the FM signal is strong enough. But the S/N of

Mono Mode is better than that of Stereo Mode.

SPECIFICATIONS

| | | |
|-------------------------|---------------------|------------------------|
| Band | FM | 87.0MHz-108.0MHz |
| | AM | 522kHz-1620kHz |
| Sensitivity | FM | 26dB μ |
| | AM | 52dB μ |
| S/N | FM | Mono 75dB, Stereo 70dB |
| | AM | 40dB |
| Freq. Step | FM | 50kHz |
| | AM | 9kHz |
| MF | FM | 10.7MHz |
| | AM | 450kHz |
| Output level | 0dBV | |
| Protection | AC fuse | |
| Power Requirement | AC220-240V/50-60Hz | |
| Outer Packing Size (mm) | (L×W×H) 555×455×185 | |
| Unit Size (mm) | (L×W×H) 480×378×88 | |
| Gross weight | 8.2kg | |
| Net weight | 6.5kg | |

Specifications are subject to be changed without notice.

CAUTION

- **When the “Power switch” is off, please pull out the power cord from the socket. Please keep the equipment out of water.**
- **To reduce the risk of electric shock, do not remove the cover.**
- **No user parts inside. Refer servicing to qualified service personnel.**

LY International Electronics Co., Ltd.