



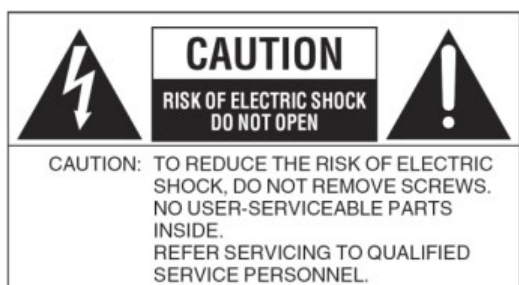
FM/AM/CD Player



User Manual

WARNING:

TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK OR PRODUCT DAMAGE, DO NOT EXPOSE THIS APPARATUS TO RAIN, MOISTURE, DRIPPING OR SPLASHING AND THAT NO OBJECTS FILLED WITH LIQUIDS, SUCH AS VASES, SHALL BE PLACED ON THE APPARATUS.

**CAUTION!**

THIS PRODUCT UTILIZES A LASER. USE OF CONTROLS OR ADJUSTMENTS OR PERFORMANCE OF PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN MAY RESULT IN HAZARDOUS RADIATION EXPOSURE. DO NOT OPEN COVERS AND DO NOT REPAIR YOURSELF. REFER SERVICING TO QUALIFIED PERSONNEL.

Important

Do not install this equipment in a confined space such as a book case or similar unit.

The apparatus should not be dripped or splashed and no objects filled with liquids, such as vases, should not be placed on the apparatus.

This unit should not be used near water (e.g. near bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.) Care should be taken so that objects do not fall and liquids are not spilled into enclosure through openings.

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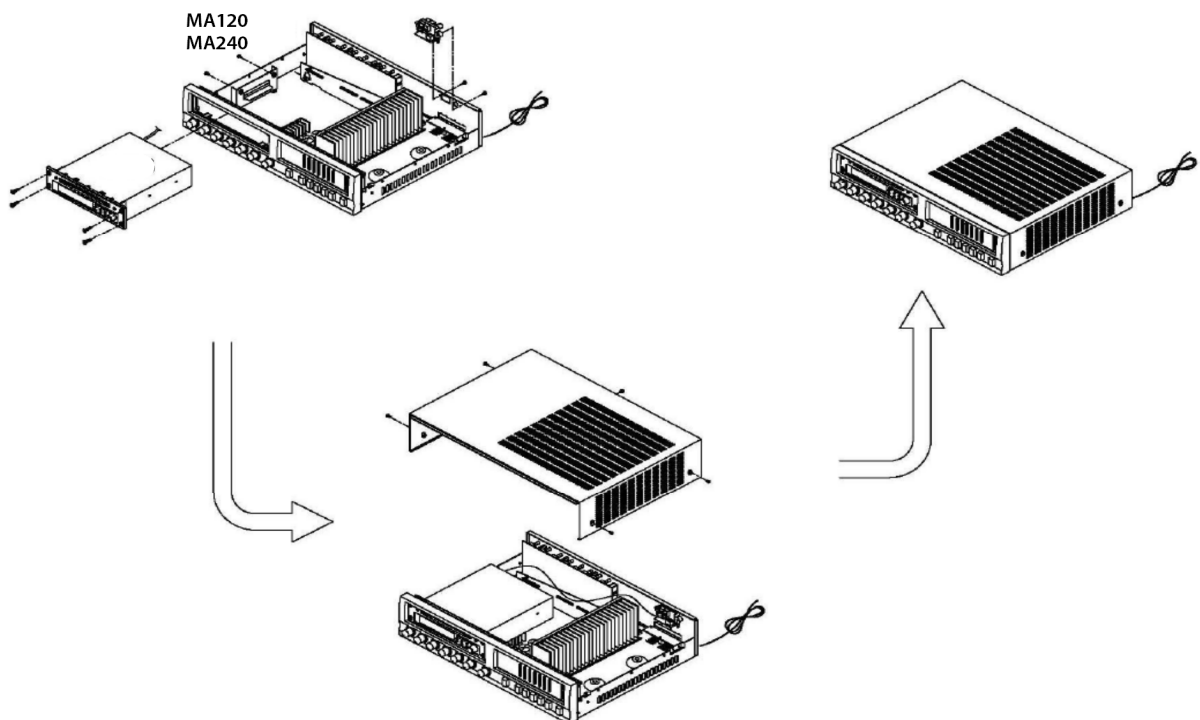
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Introductions

This FM/AM/CD Player is fully designed for compressed audio files supporting and FM/AM receiving. RDS function is available too.

Installation

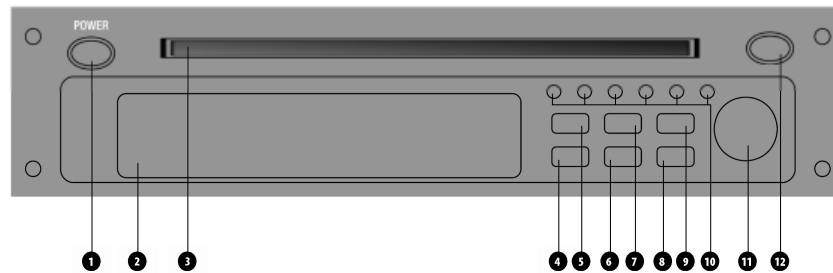


Accessories

The accessories which are included in the box are:

- Antenna
- Connection cable
- User manual
- Antenna socket
- Front screws
- Mounting screws
- Screw for antenna socket.

Front Panel



- | | |
|--|---|
| 1. Power ON/OFF switch | 7. Auto seek button |
| 2. LCD display | 8-9. Auto or manual tuning (for radio mode) |
| 3. CD Slot | next and previous track (for CD mode) |
| 4. Mode button | 10. Preset stations (for radio mode) |
| 5. AF Function (Alternative frequencies) | CD control (for CD mode) |
| 6. BAND button | 11. Functions selection/volume control |
| | 12. EJECT button |

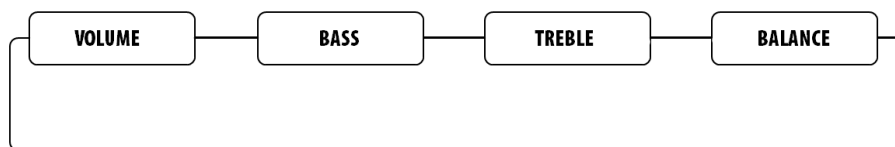
Operation

• POWER ON/OFF

By pressing this key, the unit is switched on and off. This unit is turned on by pressing any key.

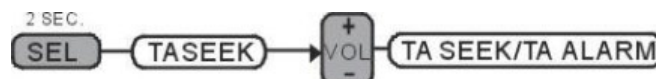
• SELECT and VOLUME KNOB

Rotate Volume up/down knob to control the VOLUME to select other functions, press the button shortly until the desired functions is shown on the display. Picture below shows how control functions are selected using the SELECT button



• TA SEEK/TA ALARM

When press the SELECT button for more than 2 seconds, it is activated as selecting mode of these function: TA SEEK Mode or TA ALARM mode. These functions are selected by rotating the volume knob.



TA SEEK mode:

When newly turned station does not receive TA information for 5sec, the radio retunes to next station which has not the same station (PI) as the last station, but has the TA information. In TA seek mode, the current station can be changed to the completely different station because the unit searches TA station when the field strength of the current station is very weak, or the current station has no TA signal.

TA ALARM mode:

Any automatic retune mode is not activated, just can be heard Beep sound.

- **PI MUTE / PI SOUND**

When press the SELECT button for more than 2 seconds, it is activated as selecting mode of these function.



PI SOUND: Beep sound enabled.

PI MUTE: Beep sound disabled.

- **RETUNE L/S**

When press the SELECT button for more than 2 seconds, it is activated as selecting mode of these function.

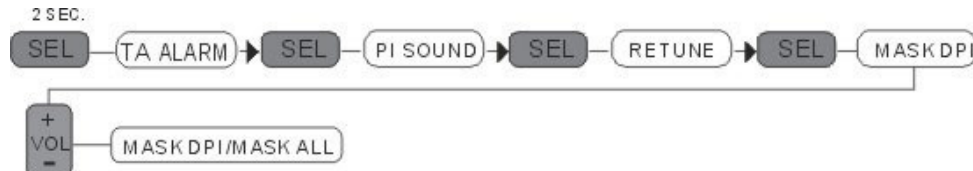


RETUNE L: Select 90 seconds as the initial time of automatic TA search.

RETUNE S: Select 30 seconds as the initial time of automatic TA search.

- **MASK DPI**

When press the SELECT button for more than 2 seconds, it is activated as selecting mode of these function.

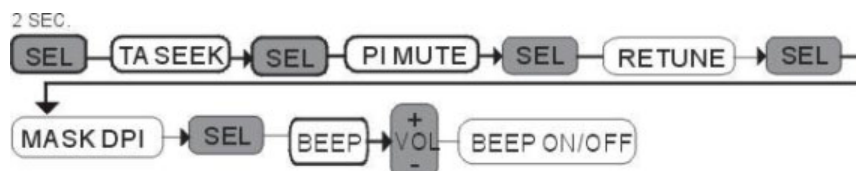


MASK DPI: masked only the AF which has different PI.

MASK ALL: masked the AF which has different PI and NO RDS signal with field strength.

- **BEEP MODE**

When press the SEL button for more than 2 seconds, it is activated as selecting mode of these function.



BEEP ON: BEEP sound can be heard from speaker when the buttons are pressed.

- **MODE BUTTON (MODE)**

By pressing this key, user can select RADIO mode or CD PLAYER mode.

- **AF/REGFUNCTION (ALTERNATIVE FREQUENCIES)**

When press short, AF/REG switching mode is selected. When AF/REG switching mode is selected, the radio checks the signal strength of the AF all the time. When press long, it is activated as regional mode ON/OFF.

Regional mode ON: AF switching or PI SEEK is implemented to the station which have all PI codes same as current station. REG segment is turned on in LCD display.

Regional mode OFF: The regional code in the format of PI code is ignored when AF switching or PI SEEK is implemented.

- **BAND BUTTON (BND)**

Each band is toggled cyclically by pressing this key FM1-FM2-FM3-MW1-MW2.

- **AUTO SEEK SEARCH TUNING (AS/PS)**

By pressing shortly, the radio searches for each preset Station. When field strength level is bigger than the threshold level of stop level, the radio is holding at that preset number for 5 secretary. With releasing mute, and then searches again. By pressing longer than 1 sec., and then 6 strongest stations are preset to the corresponding preset number. When AS operation is finished, the radio executes the preset scan.

- **AUTOMATIC OR MANUAL TUNING (FREQ UP OR FREQ DOWN)**

RADIO MODE:

When pressed short, these keys are operated as manual tuning mode.

When pressed longer than 1 sec., they are operated as seek tuning mode.

CD/MP3 PLAYER MODE:

When pressed short, they are operated as TRACK UP or TRACK DOWN mode.

When pressed longer than 1 sec., they are operated as CUE or REVIEW mode.

- **CD EJECT BUTTON**

Press the EJECT button to remove the CD.

- **PLAY/PAUSE BUTTON (▶||)**

During PLAY mode, press PAUSE button (13) to PAUSE. Press it again to resume play.

- **INTRO BUTTON All Tracks preview (INT)**

When this button is pressed, INT indication is displayed and the first several seconds of each track of the disc are played. Press again to stop intro and listen to track.

- **REPEAT BUTTON (RPT)**

When this button is pressed, RPT indication is displayed and play of the selected track will be continually repeated until the Track Repeat mode is cancelled by pressing RPT button again.

- **RANDOM BUTTON (RND)**

When this button is pressed, RDM indication is displayed and each track of the disc is played in random instead of normal progression. To cancel RANDOM mode, press RDM button again.

- **PRESET STATIONS (1, 2, 3, 4, 5, 6)**

RADIO MODE:

When press short, these keys select a preset station directly. When press longer than 1 sec. current station is stored in preset memory bank.

- **SEARCHING TRACK**

Press "A/PS", then searching track is activated.

With "VOL+ / VOL-" knob, select first digit you want.

Press SEL and the selected song will start.

- **SEARCHING BY CHARACTER**

Press A/PS 3 times, then character search mode is activated.

Press enter SEL button, and then A character is displayed.

With VOL+ / VOL- knob, you can select the letter you want.

The song which has same character you selected is displayed.

With VOL+ / VOL- knob, you can select the song you want.

Press enter SEL key, and then the song you selected will start.

SPECIFICATIONS

GENERAL

Power Supply Voltage	DC 12 Volts (Negative Ground)
Max Current Consumption	1A
Max Output Level	+6dB

FM SECTION

Frequency range	87.5-108.0MHz
Channel step	50 KHz
Intermediate frequency	10.7MHz
Sensitivity	2uV
Signal to noise ratio	>60dB

MW SECTION

Frequency range	522-1620KHz
Channel step	9 KHz
Intermediate frequency	450KHz
Sensitivity	2uV
Signal to noise ratio	>50dB

CD/MP3/WMA PLAYER SECTION

Signal to Noise Ratio	>60dB
Frequency Response	20Hz-20KHz