

TECSUN PL-360 DIGITAL DSP RADIO RECEIVER

Operation Manual

Rev 1.0: Jun-02-2010 by Tao Qu

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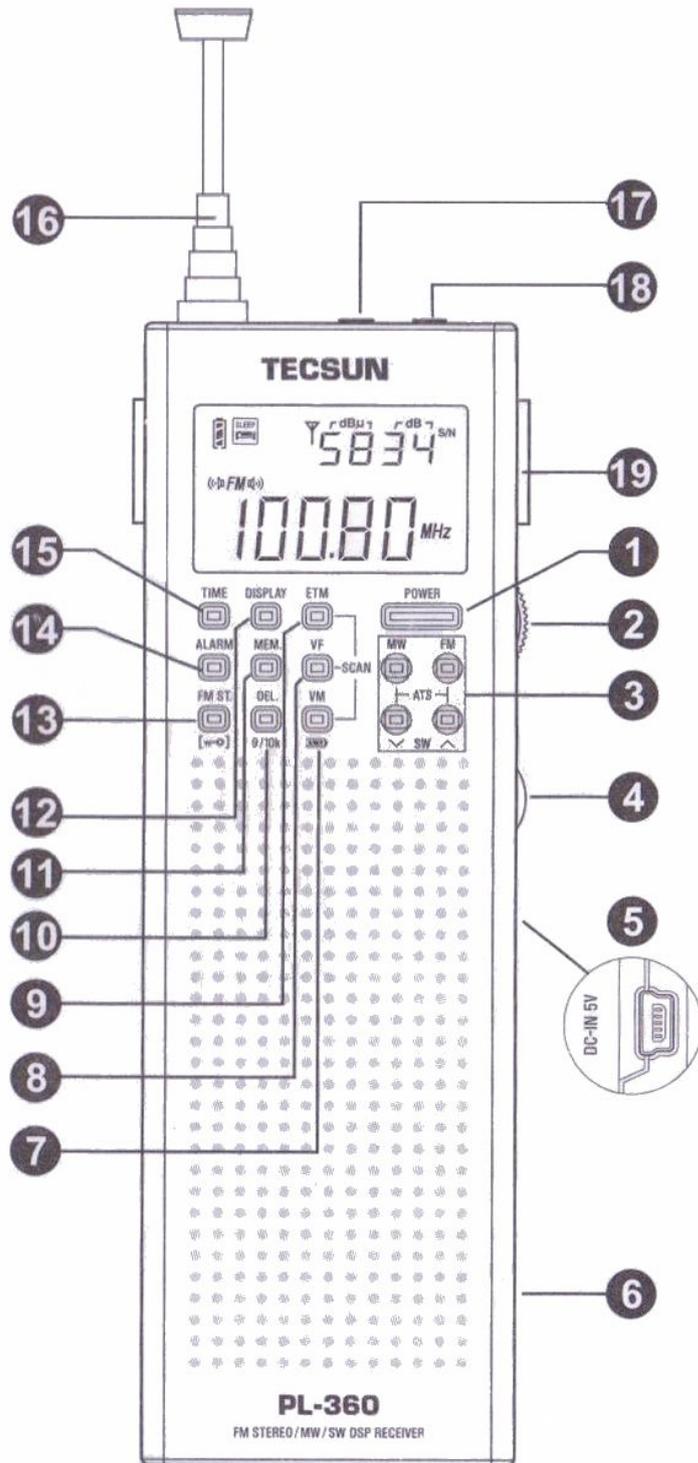
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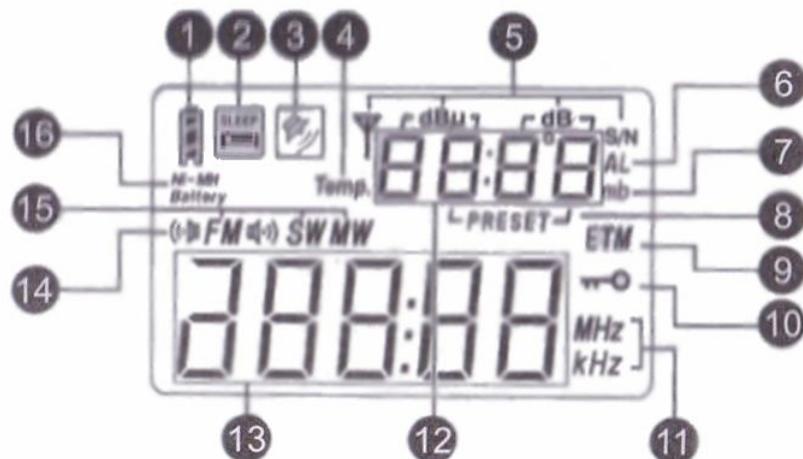
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01. DIAGRAMS OF CONTROL LOCATION



- 01: Power
- 02: Multifunctional Tuning Knob
- 03: Band & ATS button
- 04: Volume Knob
- 05: USB 5V DC Jack
- 06: Battery Compartment
- 07: VM & SCAN
- 08: VF & SCAN
- 09: Easy Tuning Mode
- 10: Delete
- 11: Memory
- 12: Display
- 13: FM ST.
- 14: Alarm Set
- 15: Time Set
- 16: FM & SW Telescopic Antenna
- 17: MW Antenna Jack
- 18: Earphone Jack
- 19: Removable Belt Clip

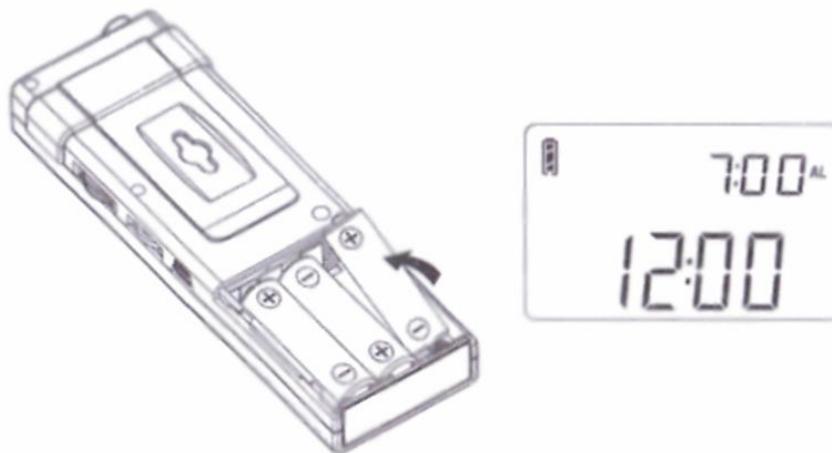
02. DIAGRAMS OF LCD DISPLAY



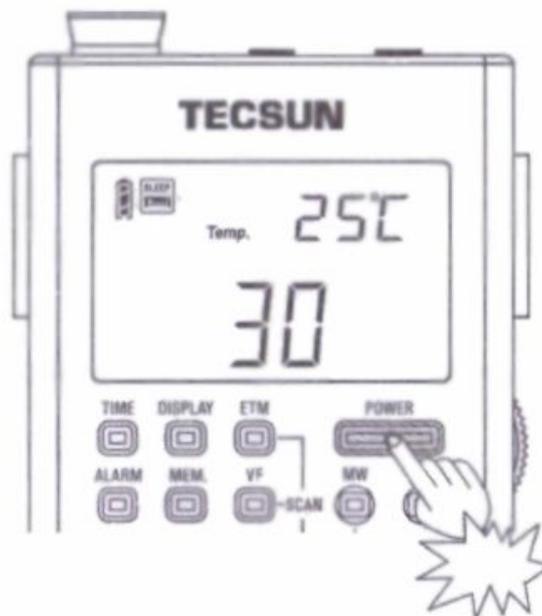
- 01: Battery Level
- 02: Auto Power Off
- 03: Auto Power On
- 04: Temperature Indication
- 05: Signal Level
- 06: Auto Power On Timer
- 07: Shortwave Meter Band
- 08: Memory Address Indication
- 09: ETM
- 10: Lock
- 11: Frequency Unit
- 12: Sub Digital Display
- 13: Sub Digital Display
- 14: FM Stereo Indication
- 15: Band Indication
- 16: Rechargeable Battery Indication

03. POWER ON AND POWER OFF

Open the battery compartment and install 3pcs AA size 1.5V batteries. When battery installed, will display the battery level and clock time on the LCD.



To power on the PL-360 radio, please quick press the [POWER] button.



[NOTE]: If can not power on the PL-360 radio, please check the battery installation, battery level, or if the PL-360 radio was locked.

[NOTE]: press the [] button to release the keypad lock.

04. LISTEN TO RADIO

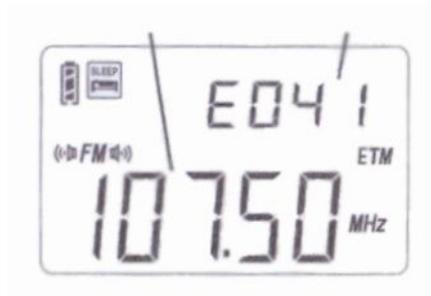
Power on the PL-360 radio, quick press the [FM], [MW] or SW[<] and SW[>] button to select the band. When working on the FM and SW band, please extend the telescopic whip antenna for better signal reception. Adjust the [VOLUME] knob to change the volume.

04-A. ETM TUNING

Quick press the [ETM] button to enter the ETM tuning mode, will have the "ETM" displayed on the LCD.

Press the [ETM] button and hold for 3 seconds then release, the ETM tuning will start working on the current band.

While the PL-360 is in ETM tuning, the frequency will be auto changed on the LCD, and stop change when done. When ETM tuning finished, turn the tuning knob can listen the station stored by the ETM tuning mode.



[NOTE]: EMT tuning mode support 100 stations on FM band, 100 stations on MW band, 100 stations on LW band, and 250 stations on SW band.

04-B. MANUAL TUNING

Quick press the [VF] button, the PL-360 radio will enter the frequency status. Turn the [TUNING] knob to search the stations.

FM band: tuning step is 0.01MHz by slow tuning, 0.1MHz by fast tuning.

MW band: tuning step is 1KHz by slow tuning, 9KHz/10KHz by fast tuning.

SW band: tuning step is 1KHz by slow tuning, 5KHz by fast tuning.

04-C. AUTO SCAN TUNING

Quick press the [VF] button, the PL-360 radio will enter the frequency status.

Press the [VF] button and hold for 3 seconds, the PL-360 radio will start auto scan tuning the station, and will stay for 3 seconds on the captured station.

Quick press the [VF] button again will stop auto scan tuning.



[NOTE]: When PL-360 radio is working in auto scan tuning mode and has the stations is captured, quick press the [MEM] button will save this station in the memory.

05. PRESET STATION

There are totally 450 stations can be preset in the PL-360 radio.

FM band: 100 stations.

MW band: 100 stations.

SW band: 250 stations.

05-A. FM BAND ATS

Power on the PL-360 radio and extend the telescopic whip antenna, quick press the [FM] button to enter the FM band.

Press the [FM] button and hold for 3 seconds, the PL-360 radio will start ATS tuning.



When the ATS tuning finished, the PL-360 radio will auto enter the address status, please turn the [TUNING] knob to listen the stations preset by ATS tuning.

05-B. MW BAND ATS

Please power on the PL-360 radio, quick press the [MW] button to select the MW band.

Press the [MW] button and hold for 3 seconds, the PL-360 radio will start the ATS tuning.

05-C. SW BAND ATS

Power on the PL-360 radio and extend the telescopic whip antenna, quick press the SW[<] or SW[>] button to select the SW band.

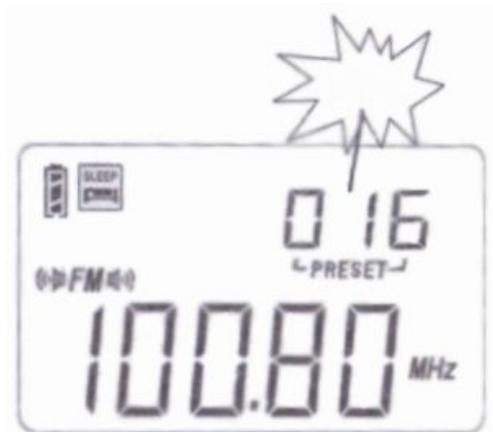
A: Press the SW[<] button and hold for 3 seconds, will ATS tuning on the whole SW meter band.

B: Press the SW[>] button and hold for 3 seconds, will ATS tuning on the current SW meter band.

[NOTE]: The FM, MW, LW and SW A mode ATS tuning will cover the all previous preset stations.

05-D. MANUAL PRESET

Power on the PL-360 radio, select the band and search the station you want to preset. Quick press the [MEM.] button, will have the address number flash at the up left side on the LCD.



Quick press the [MEM.] button again will preset this station in the memory.

[NOTE]: the PL-360 radio will auto preset the station if doesn't quick press the [MEM.] button within 3 seconds.

05-E. FAST PRESET

Power on the PL-360 radio and quick press the [VF] button, enter the frequency status. Press the [VF] button and hold for 3 seconds, will auto scan the station.



When the PL-360 radio captures the station you would like to preset, quick press the [MEM.] button will auto preset this station in memory. Repeat the above steps to preset next station.

06. LISTEN TO PRESET STATION

06-A. MANUAL MODE

Power the PL-360 radio and quick press the [VM] button to enter the address status. Turn the [TUNING] knob to listen the all preset stations one by one.



06-B. AUTO MODE

Please power on the PL-360 radio and quick press the [VM] button to enter the address status.

Press the [VM] button and hold for 3 seconds, will auto scan the all preset stations one by one, and each preset station will be play for 3 seconds.



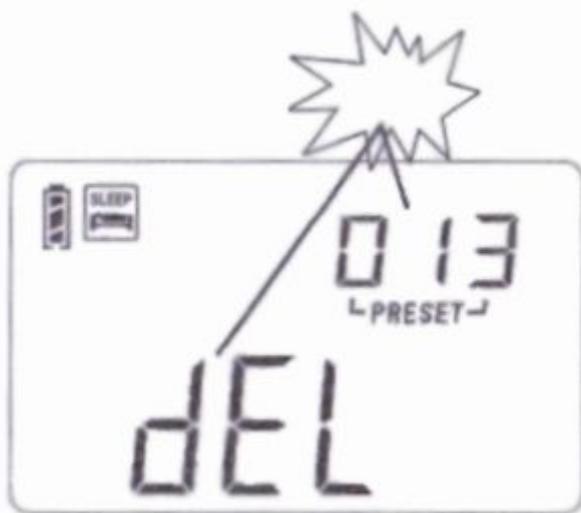
Press the [VM] button again will finish the browse.

[NOTE]: When find the preset station, quick press the [DEL.] button will delete this station from the memory.

07. DELETE PRESET STATION

07-A. MANUAL DELETE SINGLE STATION

Power on the PL-360 radio and quick press the [VM] button, enter the address status. Turn the [TUNING] knob, find the station you want to delete.



Press the [DEL.] button and hold don't release until has the "DEL" and address number flash on the LCD, followed quick press the [DEL.] button again, will delete this preset station.

[NOTE]: if doesn't quick press the [DEL.] button to confirm the deletion within 3 seconds, the PL-360 radio will cancel this delete operation.

07-B. AUTO DELETE SIGNAL STATION

Power on the PL-360 radio and quick press the [VM] button, enter the address status. Press the [VM] button and hold for 3 seconds, will auto scan the preset stations in the memory.



Find the preset station you want to delete, quick press the [VM.] button will delete it from the memory. Repeat to delete the next preset station.

07-C. MANUAL DELETE THE ALL STATION

Power on the PL-360 radio and quick press the [VM] button, enter the address status. Press the [DEL.] button and hold for 3 seconds, will display the “DEL” and “ALL” on the LCD.



Quick press the [DEL.] button again, will delete the all current band preset stations in the memory.

[NOTE]: if doesn't quick press the [DEL.] button to confirm the deletion within 3 seconds, the PL-360 radio will cancel this delete operation.

08. SETUP AUTO POWER OFF TIMER

The default configuration on the PL-360 radio is auto power off after 30 minutes after power on.

Setup the auto power off timer can adjust the auto power off time.

Press the [POWER] button to power on the PL-360 radio, will display the "30" on the LCD.



Quick turn [TUNING] knob, select the auto power off time cycle from 1 to 120 minutes.



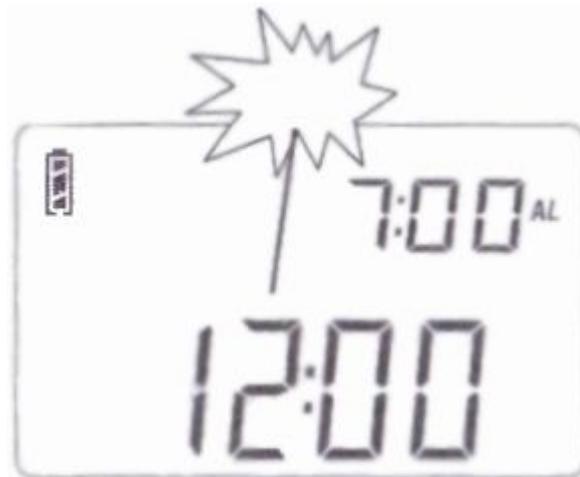
Select "ON" will disable the auto power off function.



09. SETUP CLOCK

Press the [TIME] button, the hour time of clock will flash on the LCD, turn the [TUNING] knob to adjust it.

Quick press the [TIME] button again, the minute time of clock will flash on the LCD, turn the [TUNING] knob to adjust it.



Quick press the [TIME] button again, to confirm the adjustment and setup.

[NOTE]: The PL-360 radio will cancel the adjustment and setup if doesn't press the [TIME] button within 3 seconds.

10. SETUP AUTO POWER ON/OFF TIMER

Press the [ALARM] button and hold for 3 seconds, will have the hour time flash on the LCD, turn the [TUNING] knob to adjust this hour time.

Followed quick press the [ALARM] button again, will have the minute time flash on the LCD, turn the [TUNING] knob to adjust this minute time.



Implement the above steps to setup the auto power on timer, then followed quick press the [ALARM] button again to adjust the auto power off timer after the PL-360 radio auto power on (from 1 to 90 minutes).



Quick press the [ALARM] button again, to confirm the adjustment and setup.

[NOTE]: The PL-360 radio will cancel the adjustment and setup if doesn't press the [TIME] button within 3 seconds.

11. AUTO POWER ON/OFF

To enable the auto power on/off function on the PL-360 radio, must has the station preset in the memory.

Power on the PL-360 radio, search and find the station you would like to play when auto power on the PL-360 radio, and adjust the volume.

Quick press the [MEM.] button, the address number will flash on the LCD.

Quick press the [ALARM] button, will have the  flash on the LCD, this station is preset as the auto power on play station.



When the PL-360 is in power off status, quick press the [ALARM] button, will have the  display on the LCD, the auto power on function is enabled.

The PL-360 radio will auto power on and play the preset station when clock at the preset auto power on timer time. Followed the PL-360 radio will auto power off at auto power off timer time.

[NOTE]: If the PL-360 radio is power on, then will auto change to play the preset station if the auto power on function is enabled and clock at the auto power on timer time.

[NOTE]: When PL-360 radio is auto power on, quick press the [POWER] button, will enter normal power on status (will doesn't auto power off), quick press the [POWER] button again will power off the PL-360 radio.

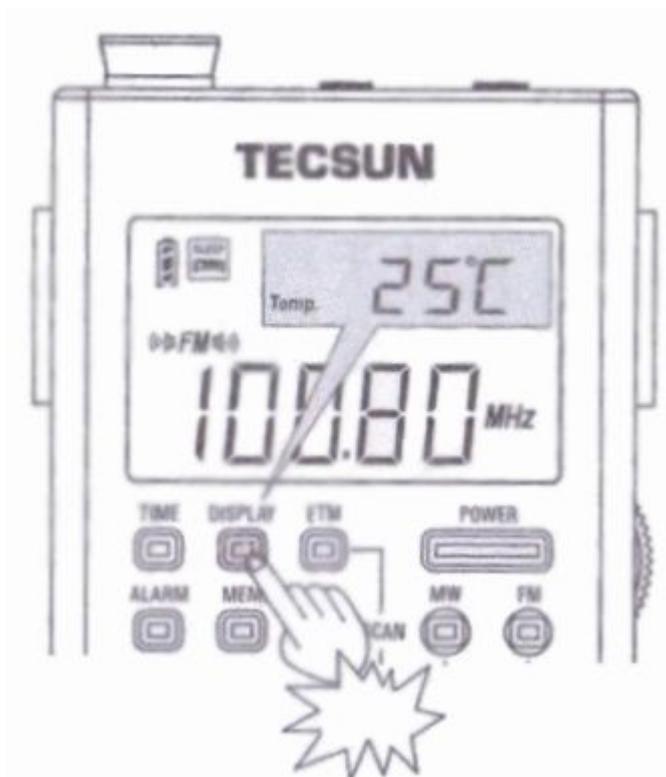
12. LCD DISPLAY MODE

12-A. POWER OFF STATUS

When the PL-360 radio is in power off status, quick press the [DISPLAY] button, will display the temperature or auto power on timer at the up left side on the LCD.

12-B. POWER ON STATUS

When the PL-360 radio is in power on status, quick press the [DISPLAY] button, will display the auto power on timer, temperature, clock, signal strength and SNR information.



13. KEYPAD LOCK

When the PL-360 radio is in power on or power off status, press the [🔑] button and hold for 3 seconds, will display the [🔑] on the LCD, the keypad is locked.



Press the [🔑] button again and hold for 3 seconds, the keypad is unlocked.

14. FM STEREO

When listening the FM station via the earphone, quick press the [FM.ST] button will enable the FM stereo function, and will have  display on the LCD.

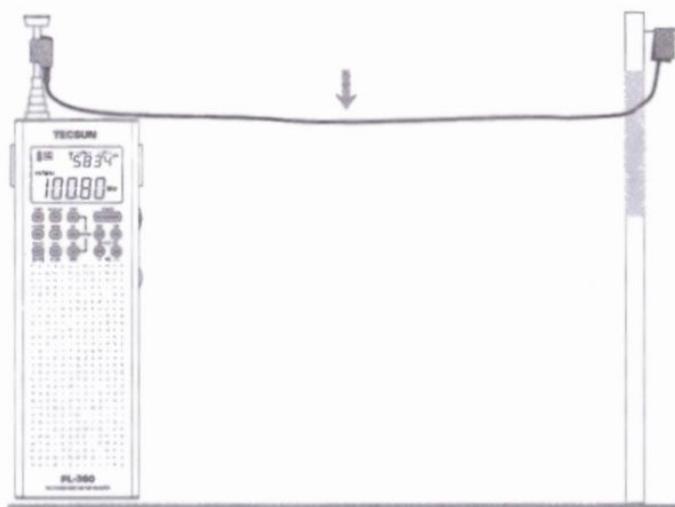
When listening the FM station via the inside speaker, suggest disable the FM stereo function to improve the sound quality.

[NOTE]: The FM stereo function only available for the FM station which support the stereo broadcasting.

15. IMPROVE SIGNAL RECEPTION

15-A. IMPROVE SIGNAL RECEPTION ON FM AND SW BAND

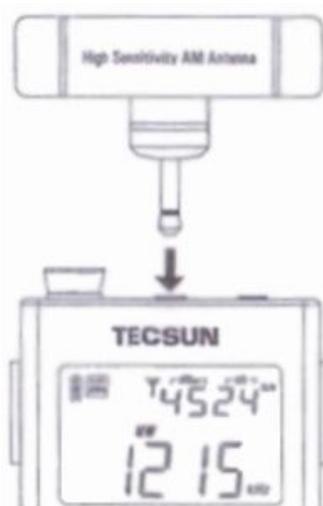
There is one long wire antenna coming in the PL-360 radio package, clip one end at the inside telescopic whip antenna and hang up another end at the window, will improve the signal reception on the FM and SW band.



[NOTE]: Please don't use the long wire antenna outdoor during the thunderstorm weather.

15-B. IMPROVE SIGNAL RECEPTION ON MW BAND

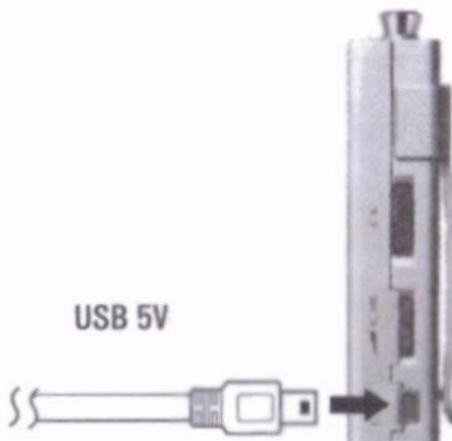
There is an external MW antenna coming in the package, use this external MW antenna will improve the signal reception on the MW band.



16. SMART CHARGE

The PL-360 radio supports the smart charge function to charge the Ni-MH rechargeable battery.

Install 3pcs Ni-MH rechargeable batteries into the PL-360 radio, and connect the external wall power adapter. When PL-360 radio is in power off status, press the  button and hold for 3 seconds, the smart charge function is enabled, and will have "CHA ON" and  display on the LCD.



There is a mini-USB interface designed on the PL-360 radio, use the USB 5V power supply to smart charge the Ni-MH rechargeable battery is available. When the PL-360 radio is charge the Ni-MH rechargeable battery, the  will flash on the LCD, and will stop flash when charge finished.

[NOTE]: The PL-360 radio can be powered by the USB 5V power supply.

[NOTE]: DON'T charge any other battery except the Ni-MH rechargeable battery.

17. WAISTBAND CLIP AND CARRYING POUCH

Use the waistband clip and carrying pouch for easy carrying and better protect your PL-360 radio.

18. MISC SETUP

Before implement the following setup, please make sure the PL-360 radio is in power off status.

18-A. SETUP FM RANGE

Press the [FM] button and hold for 3 seconds, can select the FM band frequency range from 87.5MHz to 108MHz, 76MHz to 108MHz, or 87MHz to 108MHz.

18-B. SETUP MW TUNING STEP

Press the [9/10KHz] button and hold for 3 seconds, when display “10KHz” on the LCD means the MW band tuning step is 10KHz, when display “9KHz” on the LCD means the MW band tuning step is 9KHz.

[NOTE]: When MW band tuning step is in 10KHz, the temperature display is by degree Fahrenheit mode.

[NOTE]: when MW band tuning step is in 9KHz, the temperature display is by centidegree mode.

18-C. LW EXTEND

Setup the MW band tuning step in 9KHz mode, press the [MW] button and hold for 3 seconds, will display 150-1620KHz on the LCD means the frequency range extend to LW band. Press the [MW] button again and hold for 3 seconds, will display 522-1620KHz on the LCD means LW band extend disabled.

18-D. ON/OFF SMART CHARGE

When using the Ni-MH rechargeable battery on the PL-360 radio, press the  button and hold for 3 seconds, will enable the smart charge function and will display the “CHA ON” and  on the LCD.

When using the normal alkaline battery on the PL-360 radio, press the  button and hold for 3 seconds to disable the smart charge function, will no “CHA ON” and  display on the LCD.

19. ABOUT BATTERY

If there is no battery installed on the PL-360 radio for long time, the clock will stop, but the all preset station in the memory will not lost. The user need reset the clock after battery reinstallation.

The PL-360 radio has the smart detection circuit to check the battery level, and will auto power off the radio when the battery is in low level.

Please don't mix using the new and old battery together.

Please take the battery out from the PL-360 radio if long time not use.

20. CONTACT US

Welcome to contact us for any questions or any help needed.

Web Link:

<http://www.RadiosCN.com>

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