Tecsun PL-450 User's Manual
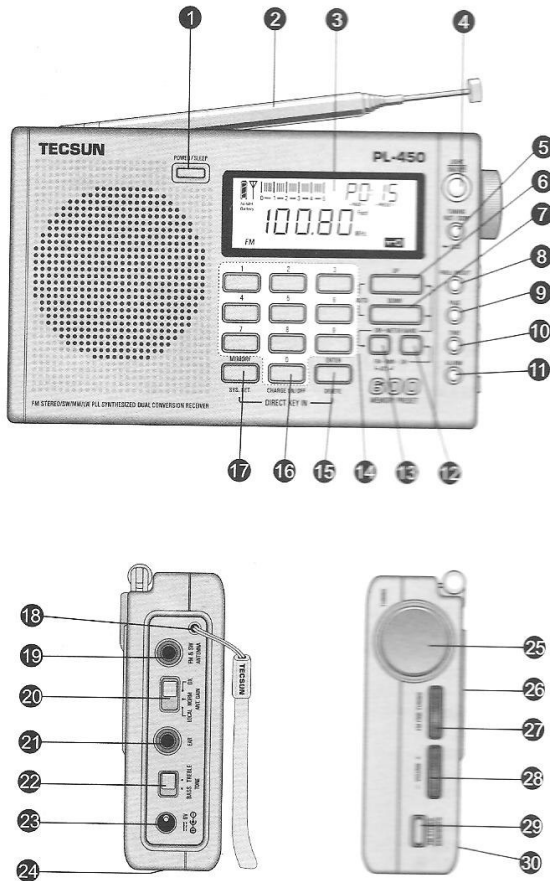
Picture illustration

● 外观与功能指示

❶ 电源/睡眠开关键 Power / Sleep Button（见第6、10、22、26、27页）
❷ 调频/短波拉杆天线 Antenna（见第9页）
❸ 液晶显示屏 LCD Display（见第3页）
❹ 照明/贪睡键 Light / Snooze Button（见第21、26页）
❺ 调台快慢切换/锁定键 Tuning Mode / Lock Button（见第8、26页）
❻ 向上调节/自动搜索键 Up / Auto Scan Button
（见第7、9、13、14、15、16、17、22、23、25、27、32页）
❼ 向下调节/自动搜索键 Down / Auto Scan Button
（见第7、9、13、14、15、16、17、22、23、25、27、32页）
❽ 频率 ⇌ 地址转换键 Frequency / Preset Mode Selector
（见第13、23、24、25页）
❾ 页面转换键 Page Button（见第15页）
❿ 时钟设置键 Time Button（见第16、18页）
⓫ 定时设置键 Alarm Button（见第17、18、19页）
⓬ 调频/中波/长波转换及调频/中波自动搜台存储键
FM / MW / LW Band Selector & FM / MW ATS Button（见第7、8、9、14页）
⓭ 短波及短波米波段键 SW(SW Meter) Band Button（见第7、28、29页）
⓮ 0...9数字键 Numeric Keypad（见第8、18、25、29、31页）
⓯ 确认/删除键 Enter / Delete Button（见第23、24页）
⓰ 充电开关 Charge On / Off Button（见第11页）
⓱ 存储电台/系统设置键 Memory / Sys. Set Button（见第12、15、30、31、32页）
⓲ 手挽带 Hand Carry Belt
⓳ 调频/短波外接天线插孔 FM / SW ANT. Jack（见第28页）
⓴ 灵敏度选择拨钮 ANT. Gain（DX / Normal / Local）（见第28页）
㉑ 耳机插孔 Earphone Jack
㉒ 音调选择拨钮 Tone Control（见第9页）
㉓ 外接电源插孔 DC 6V Jack（见第6、11页）
㉔ 复位键（在底部）Reset Button（见第27页）
㉕ 多功能调节旋钮 Tuning Knob
（见第8、9、13、14、15、16、17、22、23、26、32页）
㉖ 支撑背板 Stand
㉗ 调频最佳调谐旋钮 FM Fine Tuning Knob（见第28页）
㉘ 音量调整旋钮 Volume Knob（见第9页）
㉙ 调频立体声及调幅宽/窄带转换键 FM. ST & AM Bandwidth（见第28、29页）
㉚ 电池门 Battery Compartment

Power On

1.Insert 3 AA batteries or connect the radio with the power adapter.
2.Long press the (1) POWER/SLEEP button.

Radio Listening

1. Band Selection -
Short press (12) FM-MW-LW to select the band. Short press (13) SW.METER BAND repeatedly to select the meter band. Under the frequency mode, you can input, for example, 1,9 and press (13) SW.METER BAND button to get fast access to 19 meter band.

2. Station Searching -
   2.1 Manual or Auto Search – Short press (6) UP or (7) DOWN button to adjust the frequencies. Long press (6) UP or (7) DOWN button for auto search. The searching process will stop for 5 seconds when it find a station. Short press the (6) UP or (7) DOWN button to confirm otherwise the radio will continue to search for the next station.

2.2 Tuning Knob - Rotate the (25) TUNING knob to search for the station. You can short press the (5) TUNING FAST/SLOW button to set the step.
2.3 Direct Frequency Input – Example : MW 756kHz . Short press (12) FM-MW-LW. Select MW. Then press the number 7, 5,6 .
2.4 ATS – Long press (12) FM-MW-LW button , the radio will auto search and store all the stations. You can use the (25) TUNING knob or short press (6) UP or (7) DOWN to select from the stored stations.

3. Volume Control, Treble/Bass - (28) Volume , (22) Treble/Bass

4. Use of Antenna – Extend the (2) antenna to receive FM or SW stations. Rotate the radio for best reception for MW/LW stations.

Power Of f

1. Long press (1) POWER/SLEEP .

Battery Recharge

1. Insert the included rechargeable batteries.
2. Connect the power adapter.
3. Under radio off mode, short press (16) CHARGE ON/FF button to start the charging process. The charging process will stop automatically when the batteries are fully charged.

Memory Presets and Recall

Memory Presets :
1. The radio can store 600 stations. Page 1- 10 with 50 stations each page and Page P0 with 100 stations preset as factory default.
2. Search for the required station. Short press (17) MEMORY . You will see the station flashing. Short press (17) MEMORY again to confirm. You can exit operation any time with the (25) TUNING knob.

Memory Recall :
1. Short press (8) FREQ./PRESET button to listen to the preset stations.
2. Rotate (25) or short press (6) UP or (7) DOWN to switch for stations.

ATS

1.Long press (12) FM-MW-LW button until the search process starts. Stations will be stored from "P0:01". The radio will turn to the first station when the searching process is finished. Rotate (25) or short press (6) or (7) to switch between stations.

Page Change

1. After you have searched the station, short press (17) MEMORY .
2. Short Press (9) PAGE button , the page number will blink.
3. Rotate (25) TUNING knob or short press (6) or (7) to select the page for storage.

Time Set

Clock Setting :
1. Long press (10) TIME , the hour digit will blink.
2. Rotate (25) TUNING knob or short press (6) UP , (7) DOWN button to adjust the hour.
3. Short press (10) TIME button , the minute digit will blink.
4. Rotate (25) TUNING knob or short press (6) UP, (7) DOWN button to adjust the minute. The setting will be confirmed automatically after three seconds.

Alarm Time Setting :
1. Under off mode, long press (11) ALARM button , the hour digit will blink.
2. Rotate (25) TUNING knob or short press (6) UP , (7) DOWN button to adjust the hour.
3. Short press (11) ALARM button , the minute digit will blink.
4. Rotate (25) TUNING knob or short press (6) UP, (7) DOWN button to adjust the minute.
5. Short press (11) , the sleep and the alarm icon will blink.
6. Rotate (25) TUNING knob or short press (6) UP, (7) DOWN button to adjust the sleep time (auto power off) .

Direct Number Input :
1. Example 6:30 – Long press (10) , the hour digit will blink. Short press 0,6,3,5 . The clock will confirm the setting automatically after 3 seconds.
2. Example 13:45 – Long press (10) , the hour digit will blink. Short press 1,3,4,5. The clock will confirm the setting automatically after 3 seconds.

Setting Station for Wake-to-radio :
1. Turn on the radio and search for the required station.
2. Long press (11) ALARM. After you have set the alarm time , the radio will turn on at the preset time and radio station. Please aware that at that time only (1) POWER/SLEEP , (4) LIGHT/SNOOZE buttons will work.

Snooze Function

1.Turn on the radio with wake-to-radio function.
2. Short press (4) LIGHT/SNOOZE to turn off the radio. The radio will turn on again after 10 minutes. The snooze function can be turned on for three times. When you press the the snooze button the fourth time. The radio will turn off without any further operation.

Sleep Function

1. You can set the radio to turn off in 1 to 120 minutes. Short press (POWER/SLEEP) button to turn on the radio. The sleep icon will blink with 30 minutes as default setting.
2. Rotate (25) TUNING knob or short press (6) UP, (7) DOWN button to adjust the time to turn off the radio.

Memory Deletion

Delete station :
1. Under radio on mode, short press (8) FREQ/PRESET to display the current page and station.
2. Rotate (25) TUNING knob or short press (6) UP, (7) DOWN button to switch to the station you would like to delete.
3. Long press (15) DELETE button, the "del" icon will blink.

4. Press the (15) DELETE button again to confirm.

Delete page :
1. Example : To delete all stations in Page 01. Under radio on mode, short press (8) FREQ/PRESET to display the page and station.
2. Long press (15) DELETE button for three seconds, you will see "01" and "del" blinking.
3. Press the (15) DELETE button again to confirm.

Other Station Selection Methods

Direct Station Input :
1. Under radio on mode, short press (8) FREQ/PRESET to display the page and station.
2. Press number 1,5 to recall the fifteenth station.

Browning for preset stations:
1. Under the radio on mode, short press (8) FREQ/PRESET to display the page and station.
2. Long press (6) UP or (7) DOWN , the radio will switch to the stations in order (5 seconds each) . Short press (6) UP or (7) DOWN to confirm.

Key Lock

1. Long press the (5) LOCK button . All other buttons , except (4) LIGHT/SNOOZE will be locked.
2. Long press (5) LOCK button to turn off the function.

System Setting

System code table:

System Code	Function	Display
00*	10 Page , each 50 stations	10 50
20	20 Page , each 25 stations	20 25
25	25 Page, each 20 stations	25 20
50	50 Page , each 10 stations	50 10
09*	MW 9kHz tuning step	9 kHz
10	MW 10kHz tuning step	10 kHz
12	Clock 12 hours format	12H
24*	Clock 24 hours format	24H
28*	Rechargeable battery	Ni-MH Battery
29	Normal battery	
55*	LW on	On
55	LW off	Off
76	FM 76-108 MHz	76-108
87*	FM 87-108 Mhz	87-108
88	FM 87.50 – 108 MHz	88-108

* indicates factory default

Browse for System Settings:
Under the off mode, long press (17) SYS.SET.

Changing System Settings:
Example : Setting of 12 hour format
1. Under off mode, short press (17) SYS. SET, "--" will be displayed.
2. Press the number 1, 2 .
3. Short press (17) again to confirm.

Rechargeable Battery Capacity Setting

The radio can recharge batteries from 500 mAh to 3000 mAh. Charging time ranging from 3 to 17hrs. The factory default was 1000 mAh. **User may need to set the appropriate figures for best charging result.**

For example : when 1600 mAh batteries are used.
1. Under off mode, input system code 28, "Ni-MH Battery" and "1000" will be displayed.
2. Rotate (25) TUNING knob or short press (6) UP, (7) DOWN button to adjust the number to "1600" .
3. Short press (17) SYS.SET to confirm.

* User please aware that "Rechargeable Battery" was the factory default setting. If user would like to use normal batteries, please adjust the system code before insert the batteries.

Specifications

- FREQUENCY
  - FM 87.0-108 MHz
  - LW 100-519kHz
  - MW 522-1620kHz
  - SW 1711-29999kHz
  - 1st IF 55.845MHz
  - 2nd IF 455kHz
- SENSITIVITY
  - FM < 3µV
  - MW < 1mV/m
  - LW <1.2mV/m
  - SW < 20µV
- SELECTIVITY (+/-5k) > 28dB   (+/-7k) >45dB
- DC 6V or SIZE AA x 3
- SPEAKER 16ohm 0.25W
- EARPHONE D3.5mm
- WEIGHT 290g (BATTERY NOT INCLUDED)