

# TECSUN

# PL-990 QUICK START

## FM-stereo / Longwave / Medium Wave / Shortwave-SSB • Audio Player

**TECSUN**  
Enjoy broadcasting

### TIME Clock time

User Manual Page 7

- Time setting (24-hour clock)
  1. Press and hold [TIME] until the clock flashes.
  2. Use the numeric keys to enter the time (4 digits).
- With the device on, quick press to switch between clock and radio / audio player display.

### TIMER A, TIMER B Auto Turn On (Alarm)

User Manual Pages 22, 23

- Two independently programmable alarm time settings, at which point the device turns on automatically. The settings and operations of TIMER A and TIMER B are the same. The following uses TIMER A as an example.
- Quick press [TIMER A] to enable the alarm, the icon is shown on the display. Press again to disable the alarm, the icon is no longer displayed.
- Setting the alarm time (with the device turned off)
    1. Press and hold [TIMER A], causing the alarm time to flash in the upper right corner of the display.
    2. While still flashing, use the numeric keys to enter the alarm time. The display then shows the alarm duration, while and are flashing.
    3. While still flashing, turn the [TUNING] knob to set the duration of the alarm (01 - 60 minutes).
    4. Quick press [TIMER A] to confirm the setting.

### Alarm by Radio / Audio Player

- You can set the alarm so the device turns on to a radio broadcast or by playing an audio file from an inserted microSD card.
- Alarm by Radio
    - 1) Turn the device on, then select a station frequency for the alarm and set an appropriate volume level.
    - 2) Quick press [M], causing the memory location in the upper right corner of the display to flash.
    - 3) While flashing, quick press [TIMER A], causing the alarm icon to flash.
    - 4) Quick press to confirm the setting.
  - Alarm by Audio Player
    - 1) Insert a microSD with supported audio files and then turn on the device.
    - 2) Enter the audio player mode, then select the desired audio file and set an appropriate volume level.
    - 3) Quick press [M], causing to flash.
    - 4) While flashing, press [TIMER A], causing the and icons to flash.
    - 5) Quick press to confirm the setting.

### VF / VM Tuning Frequencies ↔ Browsing Memory

User Manual Pages 9, 11, 14, 15 and 16

- Quick press to switch between View Frequency (VF) and View Memory (VM) modes.
  - In VF mode, press and hold to auto scan for stations in the selected frequency band.
  - In VM mode, press and hold to auto scan all stored stations of the selected memory page.
- Press any key (except ) to stop auto scan.

### RADIO / MP3 Radio ↔ Audio Player

User Manual Pages 19 and 22

Quick press to switch between radio and audio player mode.

### LINE OUT Stereo Audio Output (left side)

User Manual Page 25

For external amplifiers or recording equipment.

### KEYPAD LED Location Guidance Light for the Visually Impaired

User Manual Page 25

### Headphones (left side)

User Manual Page 25

Listen to stereo broadcasts and music with stereo headphones up to 300 ohm.

### 5V ↔ 1A Digital Audio Input, External Power Supply, Charging Input (left side)

User Manual Pages 6, 22

- Use PL-990 as a computer speaker:
  1. Turn on the device.
  2. Quick press [RADIO/MP3] to enter the audio player mode.
  3. Use a micro-USB type-B data cable to connect to a computer.
  4. Turn on the computer's audio player.
- External power supply / charging: Connect to a 5V / 1A DC power adapter or charger using a micro-USB type-B cable.

### BATTERY COMPARTMENT (back side)

User Manual Page 12

Removable 3.7V 18650 rechargeable Li-ion battery.

### M Memory

User Manual Pages 12, 14 and 23

To store stations or selecting a station or audio track for the alarm feature.

An easy way to store radio frequencies:

1. Tune into the frequency you want to store.
2. Press [M], causing the memory location on the display to flash.
3. Press [M] again to confirm, or wait for 2 seconds to confirm automatically.

### ANT. GAIN DX / Local Gain Selection

User Manual Page 17

DX: For distant or weak stations.  
NORM: Standard  
LOCAL: For near or strong stations.

### ANT. SWITCH Antenna Selection

User Manual Page 8

INT: Whip antenna  
EXT: External antenna

### ANTENNA External Antenna Socket (left side)

User Manual Pages 3 and 8

Socket to connect external antennas for long wave, medium wave (AM), shortwave and FM.  
Caution! When using an outdoor antenna, waterproofing and lightning protection measures must be taken.

### WHIP ANTENNA

User Manual Page 10

For FM and shortwave reception.

### SPEAKER

### AUDIO PLAYBACK CONTROLS

User Manual Page 20

This device supports 16bit / 44.1kHz audio files in FLAC / WAV / APE / WMA and MP3 formats.

- [ ] Play/Pause: Quick press
- Repeat track: Press and hold
- [ ] Previous: Quick press twice
- Restart track: Quick press
- Rewind: Press and hold
- [ ] Stop: Quick press
- [ ] Next: Quick press
- Fast forward: Press and hold

### SNOOZE • DISPLAY • [ ] (top side)

User Manual Pages 19, 21, 24 and 25

- Snooze: When the power on alarm time is reached (TIMER A / TIMER B), quick press the button to temporarily turn off the device; it will turn on again after 5 minutes.
- Display: While listening to radio, quick press to switch between Signal Strength/Signal-to-Noise Ratio, alarm time, clock time and memory location information.
- Display: While listening to the audio player, quick press to display the current album number and the total number of tracks within the album. Quick press again to display the total number of albums and audio tracks.
- Keylock: Press and hold, causing the icon to appear on the display. All keys and tuning knobs are disabled. Press and hold again to restore the functions.

### POWER / SLEEP

User Manual Pages 17 and 24

- Power on/off: Quick press
- Sleep Timer: With the device turned off, press and hold, then rotate the tuning knob to select the number of minutes (01 ~ 120) you would like the radio to play before shutting off. Select to disable the Sleep Timer.

### DISPLAY

User Manual Page 5

### TUNING Multifunctional knob

User Manual Pages 3, 7, 11-16, 20-24

Can be used (e.g.) to tune the frequency bands, browse through a memory page, select audio files on the microSD card.

### TOPE SELECTION Treble / Bass (right side)

User Manual Page 25

### BACKLIGHT

User Manual Page 25

ON: Backlight is set to always-on.  
AUTO OFF: Backlight turns on when a button or tuning knob is operated and turns off after 5 seconds.

### FINE TUNING Multifunctional knob

User Manual Pages 3, 7, 11, 17, 20-22

Can be used (e.g.) to tune the frequency bands, select memory pages, switch between audio albums, select an AM bandwidth.

### BAND SELECTION / ATS

User Manual Pages 11-14, 18

FM / FM ST: Quick press for FM radio. While listening, quick press to select mono or stereo mode.

MW/LW: Quick press for medium wave (AM) band, quick press again to select longwave band.

SW: Quick press for shortwave band.

METER BAND: Quick press to change shortwave meter bands.

Selectable in SW: 120m / 90m / 75m / 60m / 40m / 41m / 31m / 25m / 22m / 19m / 16m / 15m / 13m / 11m  
Selectable in SSB mode: 160m / 80m / 60m / 40m / 30m / 24m / 20m / 17m / 15m / 12m / 10m

ATS: Please select an empty memory page before initiating Auto Tuning Storage.

FM/MW/LW: Press and hold the band button to automatically search and store stations.

SW: Press and hold [METER BAND -] or [SW] to search and store shortwave stations within all meter bands.

Press and hold [METER BAND +] to search and store shortwave stations in the current meter band.

### VOLUME CONTROL

User Manual Page 9

### SSB / SYNC Single Sideband / Synchronous Detector

User Manual Page 18

When receiving longwave / medium wave / shortwave signals:

- Quick press to switch between AM (Amplitude Modulation) and SSB (Single Sideband).

Press and hold to enable the synchronous detector; the display shows "SYNC".

Quick press again to disable.

### USB Upper Sideband

User Manual Page 18

### LSB Lower Sideband

User Manual Page 18

### RESET System Reset (bottom side)

User Manual Page 27

If the radio malfunctions, use a pointy object to press the [RESET] button. This operation does not delete any stored stations.

### SD MicroSD Card Slot (bottom side)

User Manual Page 19

Supports microSD cards up to 128GB.

# AMATEUR RADIO WORLD MAP

