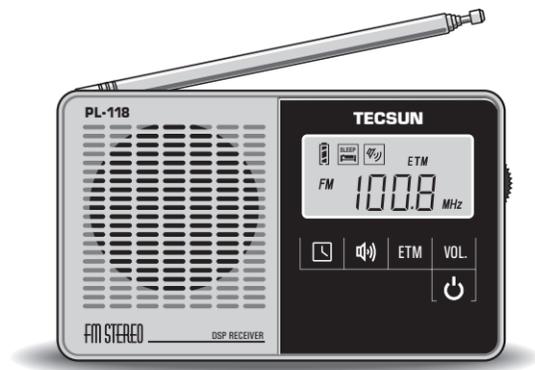


# TECSUN

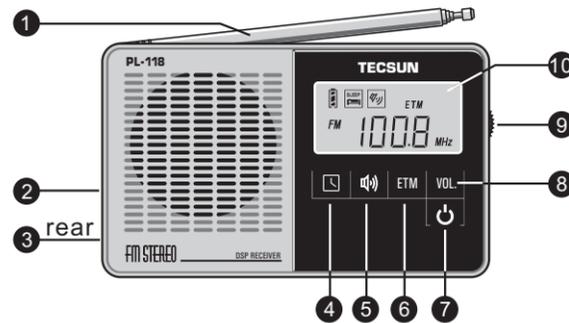
## PL-118 FM-STEREO DSP RECEIVER

PL-118 is using DSP technique to digitalize the analog AM/FM broadcasting signal base on the modern software technology and radio principles. It can highly improve radio's sensitivity, selectivity, S/N ratio and anti-interference.



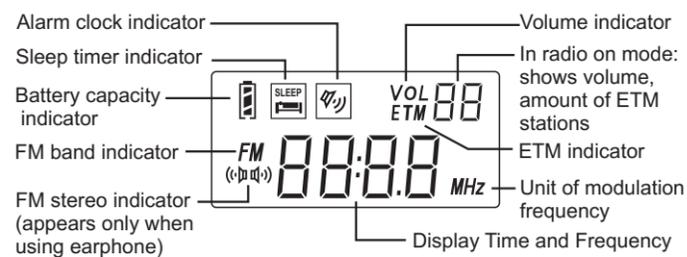
## OPERATION MANUAL

### CONTROL LOCATIONS



1. Telescopic antenna
2. Stereo earphone jack
3. Battery compartment
4. Time set
5. Alarm set
6. Easy Tuning Mode (ETM)
7. Power on/off
8. Volume set
9. Multi-function tuning knob
10. LCD display

### LCD DISPLAY



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### LISTENING TO THE RADIO

#### Install batteries:

Install two R03 (AAA) new batteries observing the battery polarity diagram on the back of the radio.

#### Turn on/ off the radio:

- Press the [ ] button.
- Press & hold the [ ] button with " SLEEP " flashing on the display which indicates setting sleep timer. Rotate the [TUNING] knob immediately to select sleep timer from 1~120 minutes or select permanently " Off ".

#### Volume adjustment:

Turn on the radio, press the [VOL] button with " VOL " flashing, rotate [TUNING] knob to adjust the volume.

#### ETM:

Turn on the radio, then fully extend the telescopic antenna, press & hold the [ETM] button until the frequency start running to auto scan and store stations into ETM memory. You can rotate the [TUNING] knob to select those stored station while the displayed frequency stop advancing.

**Notes:** You'd better reset the ETM when changing place.

#### Manual frequency tuning:

Repeat press on the [ETM] button and notices "ETM" disappears on the display, then rotate the [TUNING] knob for manual tuning.

#### Listening to the radio with earphones:

You can listen to FM stereo stations through earphone with " (FM) " appears on the display.

#### Notes:

1. If the volume is below level 8, it will maintain the current volume when you plug in the earphone; however if the volume is above level 8, the volume will drop to level 8 automatically. You can adjust the earphone volume according to your own needs. It is suggested to plug in the earphone first and wear it later when you want to listen to the radio by earphone.
2. When the earphone is plugged out, the volume will automatically set to level 15.

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### SETTING CLOCK (in radio off mode)

1. Press & hold the [ ] button with hours flashing, then rotate the [TUNING] knob to adjust the hour.
2. Press the [ ] button with minutes flashing, and then rotate the [TUNING] knob to adjust the minute.
3. Press the [ ] button again to confirm the setting.

#### Notes:

You need to reset the time after changing batteries or cutting the power.

### SETTING ALARM BY RADIO

You can preset the alarm station following below steps:

1. Turn on the radio, then tune into your favorite station as radio alarm and adjust your desired alarm volume level.
2. Press & hold the [ ] button immediately and notice " (FM) " flashing on the display to confirm the preset alarm station.

### SETTING THE ALARM TIME

1. Press & hold the [ ] button with " (FM) " and "hour" flashing, and then rotate the knob to adjust the hour.
2. Press the [ ] button with " (FM) " and "minutes" flashing, and then rotate the [TUNING] knob to adjust the minute.
3. Press the [ ] button to confirm the setting.

#### Notes:

1. The unit will turn on automatically and switch to the preset alarm station on time. It will also be turned off automatically when it reaches the preset alarm off timer.
2. The unit will move to snooze mode automatically if you don't turn off the alarm and it will start alarming again 5 minutes later(3 times at most).
3. Press the [ ] button can activate/deactivate the alarm by radio. If " (FM) " shows on the display, it means the alarm by radio is turned on.

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### FM FREQUENCY RANGE

In radio off mode , press & hold the [ETM] button with either 87~108 or 76~108 displays to select your desired frequency range.

### IMPORTANT MATTERS FOR USING BATTERIES

1. If no battery has been installed within a few seconds, the clock of the radio will stop working. However, those pre-stored frequencies are still kept. The clock will work again after new batteries are installed.
2. When the battery power is low, the " " symbol on the display will flash to alert you to exchange to new batteries. It will turn off automatically when the power is gone.
3. Mixing the used & new batteries may cause damage to the radio and also display the power capacity incorrectly.
4. In case the radio will not be used for a long period, take out the batteries to prevent liquid leakage that may damage the radio.

### SPECIFICATIONS

1. Frequency Range: 87.0 - 108.0 MHz/ 76~108MHz
2. Sensitivity (S/N=30dB): < 3 $\mu$ V
3. Signal Selection > 60dB ( $\pm$ 200kHz)
4. S/N Ratio: > 55dB
5. FM Stereo crosstalk: >25dB
6. Output(distortion 10%):  $\geq$ 100 mW
7. Alarm mode: by radio
8. Quiescent Current: <17mA  
Standby Current: <50 $\mu$ A
9. Speaker: 40mm/16 $\Omega$ /500mW
10. Earphone: 3.5mm /32 $\Omega$
11. Power Source 2x R03(AAA)
12. Dimensions Appro: 100x 60x 17mm
13. Weight: 70g (excl. Battery)

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