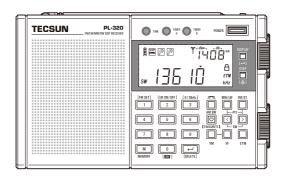
TECSUN

PL-320

FM STEREO / LW / MW / SW RECEIVER

User Manual

(Please read this manual before use)



TECSUN ELECTRONIC IND. LTD.

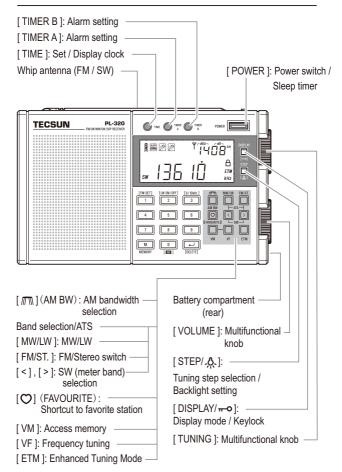
CONTENTS

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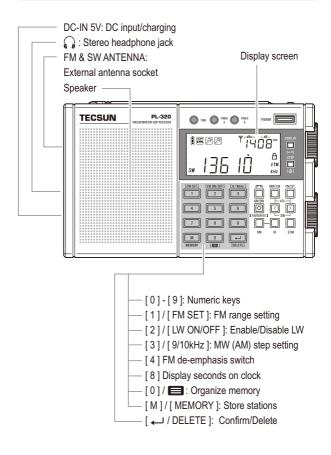
PL-320 at a glance	1
Powering your device	4
Charging the battery	4
Setting the clock	5
Setting the FM frequency range	5
Setting the MW (AM) frequency range and tuning step	5
Enabling/Disabling longwave (LW)	5
USING THE DEVICE	
Turning the device on/off	6
Using headphones (caution!)	6
Volume control	6
VF (View Frequency) and VM (View Memory)	6
Using the radio's antennas	6
Tuning into stations	7
Manual tuning	7
Auto scan	7
SW meter band selection	7
Direct keypad entry	7
Working with station memories	8
Storing stations manually	8
Auto Tuning Storage (ATS)	8
Storing stations during auto scan	9
Listening to stored stations	10
Recalling stored stations 1	10
Memory scan 1	10
Setting a favorite station	10
Deleting stored stations	11
Deleting a single station	11
Deleting stations during memory scan	11

Deleting stations within a frequency band	11
Deleting all stored stations	12
Enhanced Tuning Mode (ETM+): An introduction	12
Using ETM+ to scan and store stations	15
Listening to stations in the ETM+ memory	15
Deleting a single ETM+ station	15
OTHER SETTINGS AND FEATURES	
Auto sorting memory	16
AM bandwidth selection	16
FM stereo/mono selection	16
FM de-emphasis time constant	16
Display mode	17
Time display	17
Add seconds to the clock	17
Display backlight	17
Setting the sleep timer	17
Activating/Deactivating an alarm	18
Setting an alarm time	18
Setting an alarm station	18
Alarm auto clearance	19
Snooze function	19
Keylock	19
MISCELLANEOUS	
Troubleshooting	20
Lithium battery safety instructions	21
Radio maintenance	21
PL-320 specifications	22

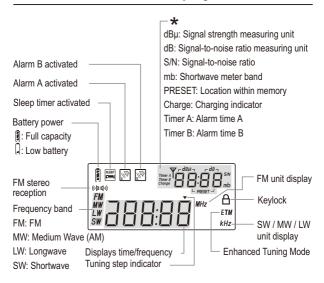
PL-320 at a Glance - Location of Controls



PL-320 at a Glance - Location of Controls



PL-320 at a Glance – Display indication



* Display indication examples:

Signal strength/Signal to noise ratio	: '12U8	S. S
Shortwave meter band:	3 :	mb
Memory storage location:	L ARESET -	1
ETM time-specific memory:	□ 5 □ 9 (MW)	[
Auto Sorting Memory:	P0[]	1
Already passed charging time:	Change [] [] []	
Clock time:	13:38	
Alarm time A, Alarm time B	Titoler A	Timer 8 2 [[[

Powering Your Device

This device is powered by a BL-5C 3.7V rechargeable lithium (Li-ion) battery. Open the battery compartment and install the battery following the directions as indicated on the battery door. The device can also be powered by connecting a DC 5V/0.5A power adapter to the USB-C socket.

Note: Connecting an external power supply causes interference when listening to radio frequencies. If experiencing reception difficulties, disconnect the external power supply and use a battery instead.

Attention! If you use a power adapter, assure that is appropriately certified and meets the standard requirements for an adapter in your region.

Charging the Battery

When the battery icon is displayed as " []", this indicates that battery power is about to run out. Please charge it in time. To charge the BL-5C rechargeable lithium (Li-ion) battery, connect a DC 5V/0.5A charger to the USB socket on the left side of the radio using a USB-C charging cable. When charging, the charging time is displayed at the top right corner of the display while the "Charge" indicator flashes. When charging is complete, the battery symbol is displayed as " [§" and the charging indicator "Charge" stops flashing.

Notes:

- Assure that the charger is appropriately certified and meets the standard requirements in your region.
- To avoid electrical noise interference, it is recommended not to charge the battery and listen to radio broadcasts at the same time.
- If the device is not used for a prolonged period of time, it is advisable to charge the battery once every 3 months for about 4 hours. This may extend battery life.

Setting the Clock (24-hour format)

- 1) Press and hold [TIME] until the clock time starts flashing.
- 2) Use the numeric keys to enter the current time (hours + minutes is four digits), or rotate the [TUNING] and [VOLUME] knobs to adjust the time, and then press [TIME] to confirm the setting.

Setting the FM Frequency Range

With the device off, set the frequency range to correspond with the country in which you are using the radio. Press and hold [1]. The display will show "64", "76", "87" or "88" to indicate the corresponding range: 64 ~ 108MHz, 76 ~ 108MHz, 87 ~ 108MHz or 88 ~ 108MHz. Quick press [1] repeatedly to select your preference.

Setting the MW (AM) Frequency Range and Tuning Step

With the device off, set the frequency range of MW (AM) to correspond with the country in which you are using the radio. Press and hold [3].

- Display indicates " 9": MW frequency steps are set at 9 kHz, and the frequency range is 522~1620 kHz (suitable for Asia, Europe, Africa, Oceania).
- Display indicates " ![]": MW frequency steps are set at 10kHz, and the frequency range is 520~1710 kHz (suitable for North America and South America).

Enabling/Disabling Longwave (LW)

With the device off, press and hold [2], the display shows " $\bigcap_{\Gamma} \Gamma$ " (enabled) or " $\bigcap_{\Gamma} \Gamma$ " (disabled). To select the LW frequency band, power on the device and then quick press the [MW/LW] button twice.

USING THE DEVICE

Turning the device on/off: Quick press the [POWER] button.

Using headphones (caution!): Connect headphones with the volume set low and increase if required. To prevent possible hearing damage, do not listen at high volume levels for long periods.

Volume control: Rotate the [VOLUME] knob upwards to increase or downwards to decrease the volume level.

VF (View Frequency) and VM (View Memory)

- Press the [VF] button to enter the frequency mode. VF is used when searching for new radio signals.
- Press the [VM] button to enter the memory mode. VM is used for recalling previously stored stations. The radio indicates how many stations of the selected frequency are already stored into the memory. If no stations have been stored, the display indicates " - - ".

Using the Radio's Antennas

FM / Shortwave (SW): When listening to FM or shortwave radio, extend the
antenna and adjust its length and direction in order to get the optimum
reception. You may also choose to connect an external antenna by
connecting it to the [FM & SW ANTENNA] socket (3.5mm).

Caution! Waterproof and lightning protection measures must be taken when using outdoor antennas.

 Medium Wave (MW) / Long Wave (LW):
 This radio uses an internal ferrite bar antenna to receive medium wave and long wave broadcasts, the quality of which can be enhanced by changing the position and direction of the device.

TUNING INTO STATIONS

Turn on the device, then quick press the [FM/ST.], [MW/LW], [<] or [>] (for SW) button to select your desired frequency band. You can tune into your favorite stations using any of the following tuning methods.

Manual Tuning

In VF mode, rotate the [TUNING] knob to search for your desired stations. To change the tuning speed (steps), quick press [STEP]. "▼" is displayed above the frequency to indicate a smaller tuning step when rotating the knob.

Tip: Review the "Specifications" section (page 22) for an overview of the selectable tuning steps for each frequency band.

Auto Scan

In VF mode, press and hold the [VF] button. The device will automatically scan the entire frequency band for available stations. When a station is found it will stay there for about 5 seconds before continuing the search. To stop the auto scan feature, quick press any button (except [M]).

Direct Keypad Entry

In VF mode, quick press the numeric keys [0 - 9] to directly enter a frequency.

Tips:

- For FM band, ignore the decimal point when inputting frequency numbers.
 For example: enter 1, 0, 3, 0 for FM 103.0 MHz.
- If the entered frequency is not within the covering range, the error "Err" symbol will be displayed.

SW Meter Band Selection

Quick press [<] or [>] to change between the below shortwave meter bands: 120 m / 90 m / 75 m / 60 m / 49 m / 41 m / 31 m / 25 m / 22 m / 19 m / 16 m / 15 m / 13 m / 11 m

WORKING WITH STATION MEMORIES

This device can store 650 stations (presets) into memory: 100 each for FM and LW, 150 for MW (AM), 300 for SW. You may choose any of the below methods to store stations.

Storing Stations Manually

- 1) In VF mode, press the [FM/ST.], [MW/LW], [<] or [>] button to select the frequency band.
- 2) Tune into the new radio frequency to be stored.
- 3) Quick press the memory [M] button, "PRESET" will flash in the top right corner of the display to indicate the next available memory location where the station will be stored. If desired, select a different memory location by using the [TUNING] knob or the numeric keys.
- 4) Quick press the [M] button again to confirm the location or wait for about 2 seconds to automatically store the station into the memory.

Auto Tuning Storage (ATS)

Automatically tune into and store FM, LW, MW and SW stations.

- Operation for FM and MW/LW:
- 1) Quick press [FM] or [MW/LW] to select the frequency band.
- Press and hold the [FM] or [MW/LW] button until "PRESET" flashes and the frequency starts running.
- 3) When the frequency stops running, it means the ATS operation has been completed. The device indicates how many frequencies have been stored (e.g. 17ch means 17 frequencies were stored). Rotate the [TUNING] knob to view all the stored stations.

Operation for SW:

There are two ATS modes for SW:

Mode A: Press and hold the [<] button to initiate ATS within all meter bands.

Mode B: Press and hold the [>] button to initiate ATS within the selected meter band

Tips:

- To stop ATS prematurely, just rotate the tuning knob.
- ATS (except in SW mode B) replaces previously stored radio stations. To prevent this from happening, please consider using ETM+ (see page 12).
- ATS results for LW, MW and SW strongly depend on radio wave propagation
 conditions, the receiving environment and other factors. If the results are
 poor, try to initiate ATS at a different location and/or time, or tune into
 stations manually and then store them. For better ATS results in the LW, MW
 and SW bands, please also review the tips for ETM+ on page 14.

Storing Stations During Auto Scan

To avoid any unwanted stations that might be stored during Auto Tuning Storage (ATS), store stations manually during "Auto Scan" (see also page 7).

- In VF mode, press and hold the [VF] button. The device will auto scan
 the entire frequency band for available stations. When a station is found it
 will stay there for about 5 seconds before continuing the search.
- Quick press the memory [M] button to store a station, the radio will keep on scanning for the next available station.
- 3) To stop the auto scan feature, quick press any button (except [M]).

LISTENING TO STORED STATIONS

Recalling Stored Stations

- 1) Quick press the [VM] button to enter the memory (VM) mode.
- 2) Select the frequency band of the stored stations that you wish to view.
- 3) Rotate the [TUNING] knob to view the stored stations. Alternatively, use the numeric keys to enter the memory location directly, and press [—] to confirm. If there is no stored station at that location, the display shows

Memory Scan

The device can auto scan all stored stations within a frequency band, staying on each station for about 5 seconds before continuing.

- 1) Quick press the [VM] button to enter the memory (VM) mode.
- 2) Select the frequency band for which you wish to view the stored stations.
- 3) Press and hold the [VM] button until "PRESET" flashes in the upper right corner of the display. The device starts to scan all stored stations. To stop scanning quick press any button (except [←J] (DELETE).

Setting a Favorite Station

You can set one favorite station that can be accessed using the [O] button on the keypad. Follow these steps to set a favorite station:

- 1) Select a frequency band.
- 2) Tune into a frequency.
- 3) Press and hold the [] (favourite) button.
- " \digamma " flashes on the display briefly, your favorite station has been set. To set a new station as your favorite, follow the above steps again.

DELETING STORED STATIONS

Deleting a Single Station

- 1) Enter the memory (VM) mode and select the station that you wish to delete.
- 2) Press and hold the [] [DELETE) button until "dEL" and "PRESET" flash on the display.
- 3) Quick press the [] button to confirm and delete the unwanted station.

Note: If the [] button is not pressed for confirmation within 3 seconds, the delete function is exited automatically.

Deleting Stations During Memory Scan

The device can auto scan all stored stations within a frequency band, staying on each station for about 5 seconds, and giving you the opportunity to delete any unwanted stored stations.

- 1) Quick press [VM] to enter the memory mode.
- 2) Select a frequency band.
- 3) Press and hold the [VM] button until "PRESET" flashes in the upper right corner of the display. The device starts to scan all stored stations and stays on each station for about 5 seconds before continuing.
- 4) Upon finding an unwanted station, press the [J] (DELETE) button. No confirmation is required and scanning continues immediately.
- 5) To stop the memory scan, quick press any button (except [] (DELETE).

Deleting Stations within a Frequency Band

- 1) Quick press [VM] to enter the memory mode.
- 2) Select a frequency band.
- 3) Press and hold the [] (DELETE) button until "ALL dEL" appears on the display.
- 4) Quick press the [J button to confirm.

Deleting All Stored Stations

It is possible to simultaneously delete all stored stations from the memory, including ETM, but excluding the favorite station.

- 1) Turn the device off.
- Press and hold the [] (DELETE) button untill "dEL" and "ALL" flash on the display.
- 3) Quick press the [POWER] button to confirm and delete all stored stations.
- 4) "dEL" is shown on the display. Once the display returns to showing the clock time, all stored frequencies have been deleted.

Note: If the [POWER] button is not pressed for confirmation within 3 seconds, the delete function is exited automatically.

ENHANCED TUNING MODE (ETM+): AN INTRODUCTION

ETM+ allows you to auto tune and store FM, LW, MW and SW stations into the ETM memory. Unlike ATS (Auto Tuning Storage), scanned stations will not be stored into the regular memory (VM). In this way, when you are in a different city or country, you can use the ETM+ function to auto search new stations without overwriting any previously stored stations within the memory.

ETM+ can also be used for listening to LW, MW and SW stations more conveniently. Because signals in these frequency bands may only be available during a specific time of day, you can use this feature to make time-specific ETM memories.

Example MW

The ETM memory for MW consists of 6 time-specific memories:

: 06:00 - 09:59 : 10:00 - 13:59 : 14:00 - 17:59 : 18:00 - 21:59 : 22:00 - 01:59 : 02:00 - 05:59

An ETM scan performed at 11:35 in the morning falls in the 10:00-13:59 hour time-range and any stations found are stored in ETM memory 1013.

Example SW

The ETM+ memory for SW consists of 24 time-specific memories. Stations found in the 09:00-09:59 period are stored in E09, 10:00-10:59 are stored in E10, and so on. In this way, an individual ETM memory can be made for each hour of the day.

When an ETM scan has already been made for a time period, the radio will automatically offer the frequencies belonging to the time period at which the ETM memory is entered.

For example, the picture on the right shows the starting screen that is briefly displayed

when entering the LW/MW ETM memory. In this example, "1013" indicates that the current listening time is between 10:00 and 13:59, whereas "l5ch" indicates that the last time an ETM+ scan was done during this time-range the device found 15 broadcasting frequencies.

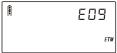
The picture on the right shows the starting screen that is briefly displayed when entering the ETM memory for SW. In this example, "E20" indicates that the current listening time



is between 20:00 and 20:59, whereas " 135ch" indicates that the last time an ETM scan was done during this time-range the device found 136 broadcasting frequencies.

Tips:

- Time-specific ETM memories are based on the clock time of the radio. Before initiating an ETM scan, make sure to set the time accurately.
- If no previous ETM scan has been done for a specific time-range, the ETM memory will not show any stations. For i example, the figure on the right indicates that no ETM scan has been performed during the 9:00-9:59 hour time-range.



- For LW/MW: the internal ferrite antenna is directional, you may need to adjust the position of the device to improve ETM results. Due to the nature of radio wave propagation, longwave and medium wave reception is generally better at night than during the day.
- For SW: radio signal propagation depends on the condition of the ionosphere, which itself is affected by a variety of factors (time of day, season of the year, sunspot cycles, etc.).
- For better ETM results, try to adjust the length of the whip antenna for FM and SW reception, or rotate the radio for better reception of MW and LW. Alternatively, try to find a different location within the building and preferably near a window
- Electromagnetic interference (EMI) from household appliances, as well as the location within a building, affects ETM results.

Using ETM+ to Scan and Store Stations

- 1) Quick press the [ETM] button, the display indicates "ETM".
- 2) Select the frequency band.
- 3) Press and hold the [ETM] button to start scanning for stations.
- 4) When scanning is complete, the display shows the number of broadcast frequencies found (e.g. 135_{c.b.}).

Note: For SW, ETM only scans/stores frequencies within the meter bands.

If the ETM scan missed certain stations (e.g. due to interference), then it is possible to add these to the ETM memory manually:

- 1) Quick press the [VF] button.
- 2) Select the frequency band.
- 3) Use the numeric keypad or tuning knob to tune into the missing station.
- 4) Quick press the [M] button, "Preset" flashes on the display.
- 5) Quick press the [ETM] button, "ETM" flashes on the display.
- Quick press the [M] button to confirm. The station is stored into the ETM memory.

Listening to Stations in the ETM+ Memory

- 1) Quick press the [ETM] button, the display indicates "ETM".
- 2) Select the frequency band.
- 3) Rotate the [TUNING] knob to select a stored frequency.

Tip: To exit ETM mode, quick press the [VF] or [VM] button.

Deleting a Single ETM+ Station

- 1) Quick press the [ETM] button, the display indicates "ETM".
- 2) Select the frequency band.
- 3) Rotate the [TUNING] knob to select the frequency to be deleted.
- 4) Press and hold the [| DELETE) button until the display shows "dEL".
- 5) Quick press the [\longleftarrow] button to confirm and delete the selected frequency.

Tip: To delete all ETM stations: review "Deleting All Stored Stations" (page 12).

Other Settings and Features

Auto Sorting Memory

This device can automatically organize all stored stations. In power off mode, press and hold the [] (0) button until the station memory preset indicator on the display starts running. This feature deletes duplicate stations and sorts the sequence of stored stations from low to high frequency.

AM Bandwidth Selection

Quick press [[[[]] (AM BW) repeatedly to select a bandwidth that enhances the intelligibility of longwave, medium wave (AM) and shortwave signals. Selectable bandwidths are 2.5, 3.5, 5.0 and 9.0kHz.

- Wider bandwidth: Has better audio fidelity when receiving strong signals or local stations.
- Narrower bandwidth: Limits interference from adjacent strong signals and background noise, thereby especially suitable for receiving weak and distant stations.

FM Stereo/Mono Selection

When listening to FM through headphones, quick press [FM/ST.]. If the device detects that the FM signal is in stereo the display shows the stereo "(心知心" icon. Quick press [FM/ST.] again to return to mono listening.

Tip: When the FM signal is broadcasted in mono, or broadcasted in stereo but the signal received is weak, the audio output is in mono and "(心口心)" is not displayed.

FM De-emphasis Time Constant

While receiving FM broadcasts, long press [4] to adjust the de-emphasis setting to 50µs or 75µs.

- "50.05": For Europe, Australia, Japan (and most other locations).
- "75.05": For the Americas and South Korea.

Display Mode

When listening to the radio, quick press [DISPLAY] repeatedly to select your preferred display mode. The top right corner of the display can show signal strength/signal-to-noise ratio, clock time, alarm time A, alarm time B or the memory location of the frequency (in VM mode only).

Time Display

While listening to the radio, quick press [TIME] to display the local time. Quick press again to return to the frequency display.

Add Seconds to the Clock

With the device turned off, press and hold [8] to add seconds to the clock. Press and hold [8] again to hide the seconds from the clock.

Display Backlight

Press and hold [-0-] to select your preferred backlight setting.

- " ☐n ": Backlight is set to always-on.
- "IFF": Backlight turns on when a button or tuning knob is used and turns off after 5 seconds.

Tip: When set to always-on, the backlight turns off after turning off the radio. To keep the backlight on, rotate the [TUNING] knob slightly.

Setting the Sleep Timer

- 1) Turn the device off.
- 2) Press and hold the [POWER] button to enter the sleep timer setting.
- Rotate the [TUNING] knob to select a power-off timer of 1-120 minutes, or select "ON" to deactivate the sleep timer.
- 4) Quick press [] to confirm. The sleep timer " " icon is shown on the display.

Activating/Deactivating an Alarm (Timer A, Timer B)

This device has two independent alarms, Timer A and Timer B. Quick press [TIMER A] or [TMER B] to activate an alarm. The related alarm icons " and " or icon are shown on the display to indicate that the radio turns on at the preset time. Quick press again to deactivate an alarm.

Setting an Alarm Time

- Press and hold [TIMER A] until the alarm time in the upper right corner of the display starts flashing.
- 2) While still flashing, use the numeric keys to enter the time (4 digits in total), or rotate the [TUNING] knob to adjust the hour and the [VOLUME] knob to adjust the minutes, and then press [TIMER A] to confirm. The display then automatically shows the duration of the alarm while " and " and
- 3) Turn the [TUNING] knob to set the duration of the alarm (01 60 minutes).
- 4) Quick press [TIMER A] to confirm the setting. The alarm " icon is shown on the display.

To set the alarm [TIMER B], follow the same steps as for [TIMER A].

Setting an Alarm Station

- 1) Select the frequency and volume level that you want to use for the alarm.
- 2) Quick press [M], the preset memory location will flash.
- 3) While still flashing, quick press [TIMER A] or [TIMER B], the alarm " icon will flash.
- 4) While still flashing, quick press [] to confirm, " " stops flashing and the setting is complete.

Tips:

 If the device is turned off with a volume level below 10, then upon reaching the alarm time, the device turns on at the default volume level of 10.

- Once the preset alarm time is reached, the radio turns on and stays on for as long as the alarm duration (01 – 60 minutes) was set. To turn off the device during the alarm playtime, quick press the [POWER] button twice.
- During the alarm playtime, quick press [POWER]. This will deactivate the alarm after which you can change to a different frequency.

Alarm Auto Clearance

If the device is not used (turning knobs, pressing buttons) for three days, the alarm settings are automatically cleared. To keep the alarm settings, you can turn off the automatic clearance feature.

- 1) Turn off the device.
- 2) Press and hold the [VF] button for about 10 seconds, until " $\square \neg$ " or " $\square F F$ " appears on the display.
- " []n": The alarm auto clearance feature is turned on. Alarm settings are cleared after 3 days of not using the device.
- "UFF": The alarm auto clearance feature is turned off. Alarm settings are retained after 3 days of not using the device.

Snooze Function

When the alarm goes off, press [DISPLAY] to temporarily turn off the alarm. The alarm icon "
 " flashes on the display and the alarm will go off again after 5 minutes. To turn off the snooze function, quick press the [POWER] button.

Keylock

To activate the keylock, press and hold [\mathbf{m} \mathbf{O}]. The lock " $\mathbf{\Omega}$ " icon is displayed and the buttons and tuning knob are disabled. Press and hold [\mathbf{m} \mathbf{O}] again to unlock.

Troubleshooting

ISSUE	POSSIBLE CAUSE / SOLUTION
Unable to power on the device.	Battery has no power or is installed incorrectly. Replace or charge the battery.
Radio auto turns off while listening.	Battery has no power or the sleep timer is activated. Replace or charge the battery. Deactivate the sleep timer and turn the radio back on.
ATS and ETM skip stations, or some stored stations have only noise.	The radio signal is too weak, there is strong interference, or MW (AM) tuning steps are not set accurately. • Search and store stations manually. • Adjust the length and direction of the antenna or change to a different location and try again. • The MW tuning steps may have been set incorrectly. Please review page 5 and then try again.
Poor MW reception while using in North or South America.	MW (AM) stations are spaced at 10 kHz in the Americas, the device may be set to 9 kHz tuning steps. • Turn off the device, then press and hold the [3] button to change the MW tuning step to 10 kHz.
Unable to exit the VM or ETM memory.	Press the [VF] button to search for new frequencies.
When the alarm goes off the radio broadcast is only noise.	Alarm preset radio frequency was not properly set, or there are no broadcasts at that time. • Assure that receiving a broadcast is possible at the alarm time and the location where the device is placed.

Lithium Battery Safety Instructions

- Improper replacement of the lithium battery may result in an explosion.
 Replace only with a lithium battery of the same type or equivalent (the lithium battery used in this device is a BL-5C rechargeable lithium battery).
- Do not expose the battery to heat sources (e.g. sunlight, fire), low temperatures, humidity, or high pressure.
- Do not short-circuit or disassemble the battery. If the battery is seriously inflated, please do not continue to use it. Dispose of the battery properly and prevent children from playing with electric currents.
- If not using for an extended period of time, remove the battery and store
 it in a safe manner. Please use non-conductive material to wrap the
 battery in order to avoid direct contact with metal. You can avoid
 performance loss by keeping the battery in a cool dry place.
- Please consciously abide by aviation regulations; lithium batteries may be prohibited from placing into checked luggage.

Radio Maintenance

- Keep it dry. Rain, humidity and other types of liquids or moisture can contain minerals that may cause corrosion to components. If the device does accidentally get wet, remove the battery and wait for the radio to dry completely before placing it back.
- Do not place or store the device in environments above +45°C. High temperatures can shorten the life span of certain components.
- Do not place or store the device in cold environments below -5°C.
 Otherwise, once the surrounding temperature rises, internal condensation may develop and damage the circuit board and LCD display.
- Do not drop, hit, or smash the device.
- Do not use harsh chemicals, cleaning solvents, or strong detergents to clean the device. Use a clean, soft, dry cloth to clean the screen.
- Do not attempt to disassemble the device to adjust internal parameters.

PL-320 Specifications

Frequency range

Longwave (LW): 153-513 kHz

Medium wave (MW): 520-1710 kHz / 522-1620 kHz

Shortwave (SW): 1711-29999 kHz

FM: 64-108 / 76-108 / 87-108 / 88-108 MHz

Frequency tuning steps

Longwave (LW): 9 kHz / 1 kHz

Medium wave (MW):

520-1710 kHz 10 kHz 11 kHz

522-1620kHz 9 kHz / 1 kHz

Shortwave (SW): 5 kHz / 1 kHz

FM: 100kHz / 10kHz

Station memories (excl. ETM):

 Longwave:
 100

 Medium Wave (AM):
 150

 Shortwave:
 300

 FM:
 100

Noise limit sensitivity

Longwave (S / N = 26dB): < 10mV / mMedium wave (S / N = 26dB): < 1mV / mShortwave (S / N = 26dB): $< 20\mu V$ FM (S / N = 30dB): $< 3\mu V$

Selectivity

 Longwave:
 > 60dB

 Medium wave:
 > 60dB

 Shortwave:
 > 60dB

 FM:
 > 60dB

IF frequency (DSP): AM 45 kHz; FM 128 kHz

FM stereo crosstalk (headphone output): 35dB

Speaker: 8Ω , 0.25WStereo headphone impedance: $32 \sim 150\Omega$ Maximum output power:Approx. 200 mW

Quiescent current: < 25mA (FM/MW/LW) < 45mA (SW)

Stand-by current: < 90µA

Power supply: 3.7V BL-5C Li-ion battery

or external DC 5V Charging / external power: DC 5V \longrightarrow 500mA

Charging socket: USB-C

Unit size (with antenna contracted): 139 x 85 x 26 mm

Weight (excluding battery): 210g

TECSUN

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