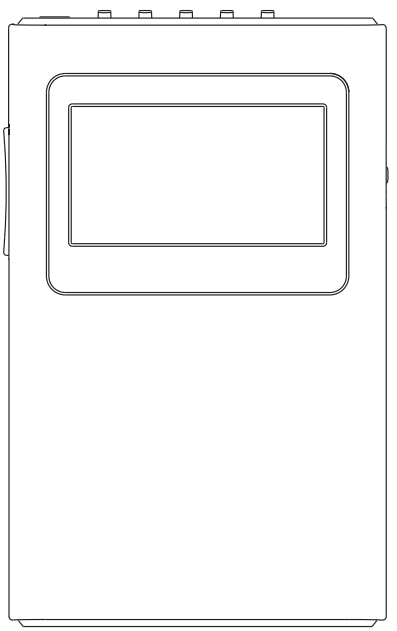
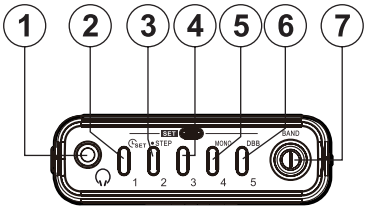
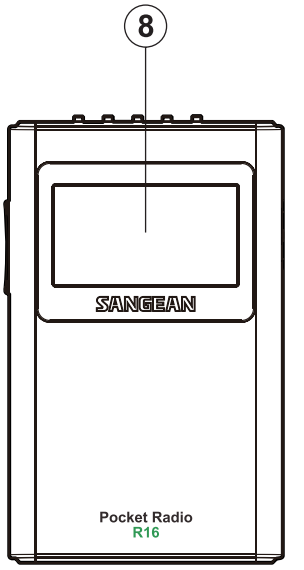
Pocket Radio R16
DT-160

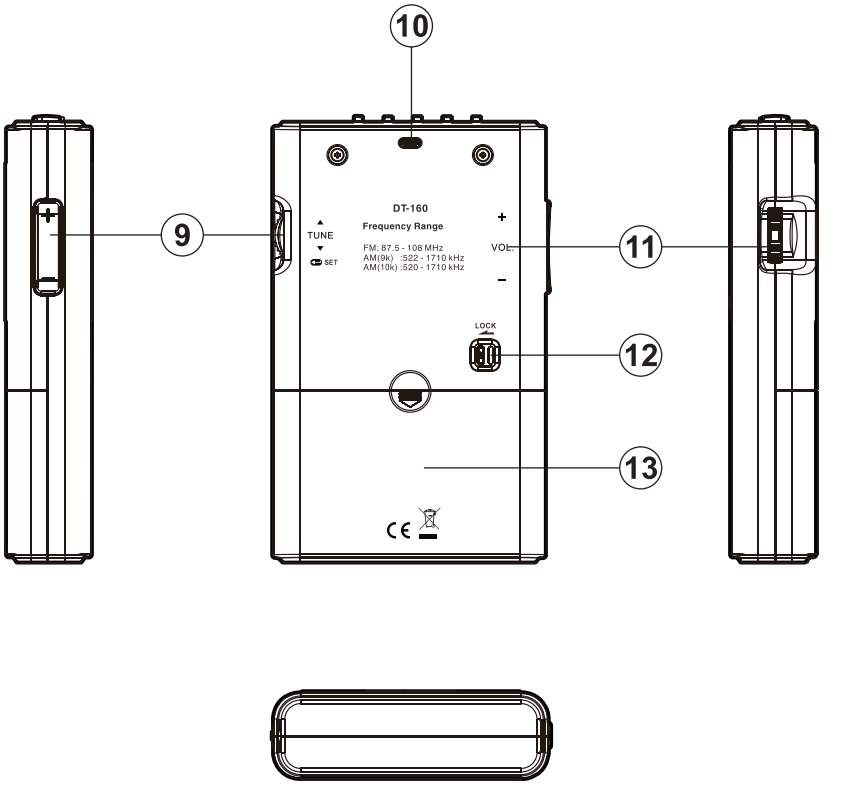


GB

Version 1


1
2
3
4
5
6
7
SET
KEY
STEP
MONO
DBB
BAND
1
2
3
4
5


8
SANGEAN
Pocket Radio
R16

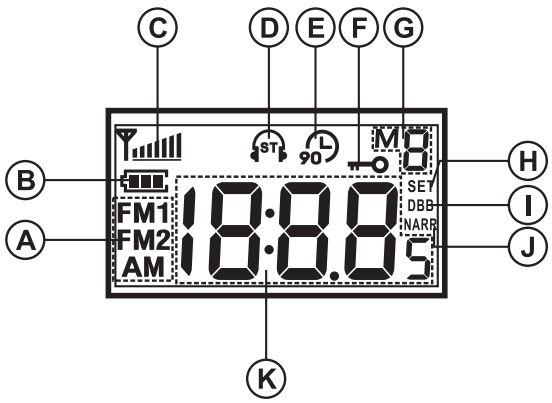

10
9
11
12
13
DT-160
Frequency Range
FM: 87.5 - 108 MHz
AM(9k) :522 - 1710 kHz
AM(10k) :520 - 1710 kHz
TUNE
SET
VOL
LOCK

Controls

① Earphone jack
② Memory button 1/Time setting button
③ Memory button 2/STEP button
④ Memory button 3
⑤ Memory button 4/Mono/Stereo button
⑥ Memory button 5/DBB button
⑦ POWER/BAND button
⑧ LCD display
⑨ TUNE/SET jog wheel
⑩ Strap holder
⑪ Volume button
⑫ Lock switch
⑬ Battery compartment

Display

Ⓐ Selected band
Ⓑ Battery power indicator
Ⓒ Signal level indicator
Ⓓ FM stereo indicator
Ⓔ 90 minutes auto shut off
Ⓕ Key lock function
Ⓖ Memory presets
Ⓗ SET indicator
Ⓘ DBB indicator
Ⓙ NARR indicator
Ⓚ Frequency and time display



Battery Installation

The Battery cover is located on the back of the unit. Slide the cover downwards to gain access to the battery compartment. Insert two AA (UM-3) batteries into the compartment. Make sure that the battery is positioned in accordance with the indicated diagram. Replace cover.

Press and release the POWER/BAND button will turn on the radio.Press and hold the POWER/BAND button until “off” symbol appears on the LCD display. The radio will turn off.

Note:

1. You can always monitor the battery power from the LCD display battery icon when battery power becomes very low and unable to operate the radio. The low battery indicator icon will flash together with an “E” appearing on the LCD display. The radio will shut off.
2. Make sure to replace the batteries within 3 minutes. This will prevent any memory presets from being lost during the battery replacement.

Time setting

Press in the TUNE/SET jog wheel, the “SET” symbol will appear on the LCD display. Press and release the Time setting button. Hour will flash, turn the jog wheel up/down to choose your desired time and then press the Time setting button to select the desired hour. After completion of the hour setting the minutes digits will then flash, follow the above setting steps to set the minutes.

Antenna/Earphone

Insert the earphone into the earphone jack. The cord connecting the earphone to the receiver acts as an antenna during FM audio reception and should be extended as much as possible to increase the sensitivity.

A built-in ferrite bar antenna is provided for AM reception, it is only necessary to rotate the radio for maximum signal strength during AM listening.

Note:

To prevent possible hearing damage, do not listen at high volume levels for long periods.

Volume Control

Use the volume control to adjust volume level. Display will show the changes when you operate the volume control.

Tuning the radio

Band	AM
Frequency	522-1710 kHz (9 kHz)
	520-1710 kHz (10 kHz)
Antenna	Internal/rotate radio for best reception
Band	FM
Frequency	87.50-108 MHz
Antenna	External/Make sure the earphones are plugged into earphone jack

AM/FM Bandwidth narrowing

In order to obtain better reception of weaker AM/FM stations, your radio has a function to narrow the AM/FM bandwidth to reduce high frequency noise.

1. Select the AM or FM band by pressing the POWER/BAND button.
2. Press in the jog wheel, the “SET” symbol will appear on the LCD display. Press Volume up button, display will appear “NARR” symbol to enter the auto bandwidth narrowing adjustment for improved sound quality. Press in the jog wheel, the “SET” symbol appears again, then press Volume up button will cancel the “NARR”.

Note:

Sangean suggests activating the “NARR” when listening to talk Radio programs. This may improve sound quality. Please note that activation of the "NARR" may cause Stereo invalid and produce mono sound.

90 Minutes auto shut off feature

For saving battery power, this radio is designed to auto shut off after 90 minutes of operation. The LCD display will show 90 icon when pressing the POWER/BAND button to turn on the radio.

For continuous listening if necessary, pressing the POWER/BAND button for more than 2 seconds when the radio is in power off mode. The 90 icon will disappear.

Scan Tuning

Turn on the radio, select the required band by pressing the POWER/BAND button. Turn and hold the jog wheel up/down for more than half a second and release the jog wheel to commence Scan Tuning. The radio will scan and stop automatically when a station is found.

Manual Tuning

Turn on the radio, select the desired band by pressing the POWER/BAND button. Desired station may be selected by turning the jog wheel up/down repeatedly until the desired station is reached.

Memory Tuning (Station preset)

Turn on the radio by pressing and releasing POWER/BAND button. Select the required band by pressing POWER/BAND button. Tune to the desired station using the Scan or Manual tuning steps described above. When the desired station is reached, press and hold Memory button (1-5) for more than 2 seconds until display M x stops flashing followed with a beep (via earphone). You may store 5 memory stations in each band (AM, FMI, FMII). Stations which are already stored in the presets may be over written by following the above procedure.

Recall memory stations

Turn on the radio, select the required band, then simply press and release the Memory station button. The LCD display will show the Memory preset and radio frequency.

Stereo/Mono switch

The radio is designed to receive FM stereo broadcastings. For weak FM signal, press in the jog wheel, the “SET” symbol will appear on the LCD display. Then press MO/ST button to switch Stereo/Mono to Mono position. The LCD display Stereo icon will disappear.

DBB (Dynamic Bass Boost)

Press in the jog wheel, the “SET” symbol will appear on the LCD display. Press and release DBB button to activate the Deep Bass Boost function to have stronger bass sound, the display will appear the “DBB” symbol. Press in the jog wheel, the “SET” symbol will appear again, pressing the DBB button will cancel the DBB function.

Note:

Sangean suggests activating the DBB when using earphones.

Software version

The software display cannot be altered and is just for your reference.

1. Press in the jog wheel, the “SET” symbol will appear on the LCD display. Press and hold the STEP button when your radio is in power off mode, the screen will show the software version (e.g. A03).
2. Continue pressing and holding the STEP button and the radio will enter FM/AM step setting.

FM/AM step setting

3. The screen will show FM tuning step (i.e. FM1 50 or 100). Turn the jog wheel up/down to choose between 50 kHz or 100kHz and then press the STEP button to confirm your setting.
4. After your completion of FM tuning step, the screen will show AM tuning step (i.e. 9 or 10). Turn the jog wheel up/down to choose between 9 kHz or 10 kHz and press the STEP button to confirm your selection.

Important:

Resetting the frequency range and tuning step will erase all the preset stations stored in your radio.

North America FM: 100 KHz

AM: 10 KHz

Rest of the World FM: 50 KHz

AM: 9 KHz

Key Lock Function

The key lock function is used to prevent unintentional operation of the radio. The Key Lock switch is located on the rear of the radio. When the key lock is set to LOCK, every button will be disabled and a key lock icon will appear on the screen. To disable the key lock function, switch the key lock button to the off position. The key lock function will be disabled.

Reset the radio

If your radio fails to operate correctly or some digits on the display are missing or incomplete, reset the product as described below to resume normal operation. The system reset can be carried out while the unit is powered off.

1. Make sure your radio is switched off.
2. Press in the jog wheel, the “SET” symbol will appear on the LCD display. Then press and hold the Volume down button more than 2 seconds, the “dEF”symbol will appear and flash. Continue holding down this button until all the icons show on the display. Now all configuration settings will be stored to their defaults, preset stations will be erased and the clock will be reset.

Specification

Battery: 2 X AA (UM-3/LR6)

Frequency Coverage:

FM: 87.50-108 MHz

AM: 522-1710 kHz (9kHz)

520-1710 kHz (10kHz)

Output Power: 1.0 mW+ 1.0 mW

Earphone Jack: 3.5 mm diameter (stereo)

Sangean reserves the right to amend the specifications without notice.

If at any time in the future you should need to dispose of this product please note that: Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice. (Waste Electrical and Electronic Equipment Directive)