

3A81dQ1000GB0

4

Touch panel sensitivity control

The sensitivity of the touch panel may be adjusted. The default setting will normally be found to provide satisfactory operation, however, the touch panel system may respond differently depending upon the moisture of the skin. The touch panel sensitivity may be reduced or increased relative to the standard setting.

1. Press the Power button to switch on your radio.
2. Press and hold the Menu button to access the menu for the current mode.
3. Rotate the Tuning control knob to select "System Setup". Press the Select button to enter the system settings menu.
4. Rotate the Tuning control knob to select "Touchpad Sensitivity". Press the Select button to enter the setting.
5. Rotate the Tuning control knob to select your desired touch panel sensitivity level (1-5). The higher the value, the higher the sensitivity. The default setting is 3. Press the Select button to save your setting.

Charging the radio

The radio operates on a built-in Lithium-ion battery that can be recharged either using the USB charging port or from a USB power adaptor (not included) with a rated output of DC 5V, 2.4A. Reduced power, distortion, "stuttering" sounds or "Low Battery" shows on the display are all signs that the battery needs to be recharged. When "Low Battery" appears on the screen, the LED indicator around the Power button will flash white.

Before operating the radio for the first time please fully charge the battery.

NOTE

You can begin using the radio while charging. Please be aware that in this case make sure the USB power source can provide 5V 2.4A of electrical current. If not, it may damage the USB power source.

- Connect the (supplied) micro USB plug to the micro USB charging port on the rear of the unit.
- Connect the (supplied) standard USB plug end of the cable to a power USB port on a computer or other USB charging device. When the battery is charging, the LED indicator around the Power button will be solid red. After the battery is fully charged, the red charging indicator will turn off.

Operating your radio – DAB

1. Insert the (supplied) external antenna plug into the external antenna socket located on the rear of your radio.
2. Press the Power button to switch on your radio.
3. If this is the first time the radio is used, a quick scan of the Band III DAB channels will be carried out. If the radio has been used before the last used station will be selected.
4. During the scanning process, as new stations are detected the station counter will increase and the stations will be added to the list which is stored in the radio. The bar graph indicates the progress of the scan.
5. When the scanning is completed the first station (in numeric-alpha order 0...9...A...Z) will be selected.
6. If the station list is still empty after the scan, your radio will show "No Service". If no signals are found it may be necessary to relocate your radio to a position giving better reception.

Selecting a station – DAB

1. Press the Power button to switch on your radio.
2. Press the Source button to select DAB radio mode.
3. Rotate Tuning control knob to scroll through the list of available stations. Alternatively to access the station list using the DAB menu, press and hold the Menu button and then rotate Tuning control knob to choose "Station List".
4. Press the Select button to select and tune to the desired station.
5. Rotate the Volume control knob to set the sound level as needed.

NOTE

If after selecting a station the station does not tune it may be necessary to relocate your radio to a position giving better reception.

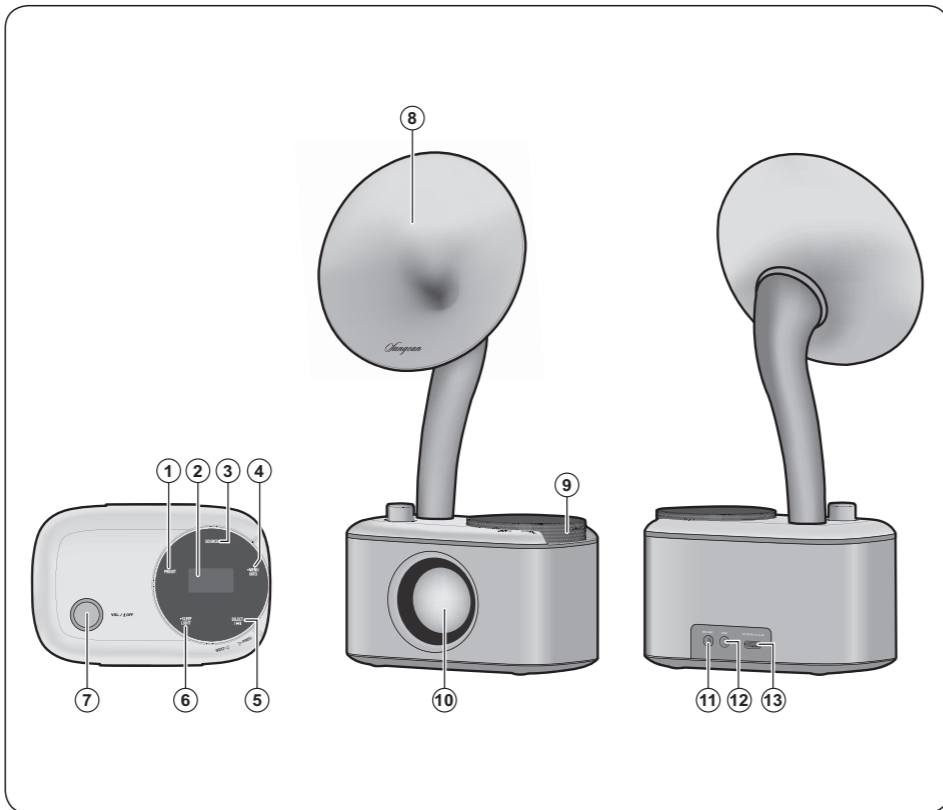
Secondary services – DAB

Some radio stations may have one or more additional broadcasts associated with them. If these are available, they will appear immediately after the main station as you rotate the Tuning control knob. To tune to the selected service, press the Select button.

Finding new stations – DAB

As time passes new stations may become available or you may have moved your radio to a different part of the country. In this case you may need to cause your radio to scan for new stations.

1. When in DAB mode, press and hold the Menu button to enter the DAB menu.
2. Rotate Tuning control knob to select "Full Scan".
3. Press the Select button. Your radio will perform a scan of the Band III DAB channels. As new radio stations are found the station counter on the display will increase and the radio stations will be added to the list stored in the radio.



5

Manual tuning – DAB

Manual tuning allows you to tune directly to the various Band III DAB channels (5A to 13F).

1. When in DAB mode press and hold the Menu button to enter the DAB menu.
2. Rotate the Tuning control knob to select "Manual Tune".
3. Press the Select button to enter manual tune option.
4. Rotate the Tuning control knob to choose the required DAB channel.
5. Press the Select button to cause the radio to tune to the chosen channel.

Station order setup – DAB

Your radio has 3 station order settings from which you can choose. The station order settings are alphanumeric, ensemble and valid.

1. When in DAB mode press and hold the Menu button to enter the DAB menu.
2. Rotate the Tuning control knob to select the "Station Order".
3. Press the Select button to enter the station order adjustment mode.
4. Rotate the Tuning control knob to choose "Alphanumeric", "Ensemble" and "Valid".
5. Press the Select button to confirm the required station order.

Dynamic Range Control settings – DAB

Dynamic Range Control (also known as DRC) can make quieter sounds easier to hear when your radio is used in a noisy environment by reducing the dynamic range of the audio signal.

1. When in DAB mode press and hold the Menu button to enter the DAB menu.
2. Rotate the Tuning control knob to select the "DRC Value".
3. Press the Select button to enter the DRC adjustment mode.
4. Rotate the Tuning control knob to highlight the required DRC setting (the default is Off).

Off - DRC is switched off, Broadcast DRC will be ignored.
Low - DRC level is set to 1 / 2 that sent by broadcaster.
High - DRC is set as sent by broadcaster.

5. Press the Select button to confirm the setting.

NOTE

Not all DAB broadcasts use the DRC function. If the broadcast does not provide DRC information, then the DRC setting in the radio will have no effect.

Prune stations – DAB

If you move to a different part of the country, some of the stations which were listed may no longer be available. Also, from time to time, some DAB services may stop broadcasting, or may change location or frequency. Stations which cannot be found, or which have not been received for a very long time are shown in the station list with a question mark. The Prune stations function will delete the marked DAB stations from your station list.

1. When in DAB mode press and hold the Menu button to enter the DAB menu.
2. Rotate the Tuning control knob to select the "Prune Station".
3. Press the Select button to enter adjustment mode.
4. To activate the Prune function, rotate the Tuning control knob to select "Yes". Press the Select button to confirm the setting. If you do not wish to prune stations, choosing "No" or "Back" will go back to the previous menu display. Press the Select button to confirm your choice.

NOTE

If you have moved your radio to a different part of the country you should also carry out a search for new stations (please see the section "Finding new stations").

Operating your radio – FM

1. Insert the (supplied) external antenna plug into the external antenna socket located on the rear of your radio.
2. Press the Power button to switch on your radio.
3. Press the Source button to select the FM band.
4. Press and hold the Menu button to enter the FM menu.
5. Rotate the Tuning control knob to select "SCAN". Press the Select button to cause your radio to search from low frequency to high frequency. When it finds a station of sufficient strength, the frequency will flash 6 seconds on the display and the radio will continue to scan after 6 seconds. To tune to the station or stop the scanning, press the Select button.
6. The display will show the frequency of the signal found. If the signal is strong enough and there is RDS data present then the radio will display the station name.
7. When the end of the waveband is reached your radio will recommence tuning from the opposite end of the waveband.

6

8. Rotate the Volume control knob to adjust the sound level as needed.

9. To switch off your radio, press the Power button.

Manual tuning – FM

When in FM mode, rotate Tuning control knob to tune to a station.

Scan sensitivity setting – FM

Your radio includes a local / distant option for the auto-scan function. By setting the radio to the "local" scan option, weaker signals from more distant transmitters can be ignored by the radio, making stronger signals easier to find.

1. When in FM mode, press and hold the Menu button to access FM menu.
2. Rotate the Tuning control knob to select "FM Scan Zone". Press the Select button to enter the scan sensitivity adjustment mode. The current setting will be marked with an asterisk.
3. Rotate the Tuning control knob to select "Local" (Strong stations only) or "Distant" (All stations). The "Distant" option will allow the radio to find weaker signals when scanning.
4. Press the Select button to confirm your selection. The setting is stored in the radio and remains in force until changed or until a System reset.

Presetting stations in DAB and FM modes

There are 10 presets each for DAB and FM radio. They are used the same way for each operating mode.

1. Press the Power button to switch on your radio.
2. Tune to the required radio station as previously described.
3. Press and hold the Preset button to enter the Preset Station menu.
4. Rotate Tuning control knob to scroll through the preset list until you reach an unused preset or a preset that you wish to change.
5. Press Select button to store the preset. "Preset 2 saved" for example will be shown on the display.
6. Repeat this procedure as needed for the remaining presets. Stations which are already stored in the presets may be overwritten by following the above procedure.

NOTE

The radio station presets are retained in memory when the radio is switched off.

Recalling a preset in DAB and FM modes

1. Press the Power button to switch on your radio.
2. Select the required operating mode using the Source button.
3. Press the Preset button to enter the Recall Station menu.
4. Rotate Tuning control knob to select the desired preset station. Press the Select button. Your radio will then tune to the station stored in the selected preset memory. The chosen preset number is also shown in the display, e.g. "P2".

Display options – DAB / FM / Bluetooth

Your radio has a range of display options when in DAB, FM and Bluetooth modes:

Press the Info button to cycle through the various options.

DAB display options

Your radio can display the following in DAB mode: Scrolling text, Program type, Multiplex name, Time / Date, Frequency, Bit rate and audio type, Coding information, DL Plus text, Signal strength.

For the DL Plus text, some stations may provide other programme related information for the display in addition to the regular text. If none is available, a message "no info" is displayed.

FM display options

In FM mode your radio can use the Radio Data System (RDS) to display the radio station name and additional text when provided by the broadcaster and where the radio signal is sufficiently clear.

Your radio can display the following in FM mode: Radio Text, Program Type, Time / Date, Frequency.

Bluetooth display options

If your connected device is able to provide information from the track being played, your radio can display the following in Bluetooth mode:

Device Name, Title, Artist, Album.

Please note that the availability of information depends on the specific media format.

Listening to music via Bluetooth streaming

You need to pair your Bluetooth device with your CP-100D before you can auto-link to play / stream Bluetooth music through your CP-100D. Pairing creates a "bond" so the two devices can recognize each other.

Pairing and playing your Bluetooth device for the first time

1. With your radio switched on, press the Source button to select Bluetooth function. "Bluetooth Pairing" will show on the display. The LED indicator around the Power button will flash a fast blue to show the radio is discoverable.

1

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Important safety instructions

1. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatus (including amplifiers) that produce heat.
2. Only use attachments / accessories specified by the manufacturer.
3. To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.
4. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, shall not be placed on the apparatus.
5. The batteries shall not be exposed to excessive heat such as sunshine, fire or the like.
6. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment and warranty.
7. **CAUTION**
Risk of explosion if the battery is replaced by an incorrect type.
8. Do not allow your radio to be exposed to water, steam or sand.
9. Do not leave your radio where excessive heat could cause damage.
10. If safety relevant, the following information should be included as far as applicable:

7

(While charging in Bluetooth mode, the LED indicator around the Power button will cycle between red and purple.)

2. Activate Bluetooth on your device according to the device's user manual to link to the radio. Locate the Bluetooth device list and select the device named "CP-100D" (With some Smartphones that are equipped with earlier versions than BT.2.1 Bluetooth device, you may need to input the pass code "0000").
3. Once connected, there will be a confirmation tone sound and the name of your connected Bluetooth device will show on the display. The LED indicator around the Power button will turn a solid blue. (While charging in the Bluetooth mode, the LED indicator around the Power button will turn a solid purple.) You can simply select and play any music from your source device.
4. The volume control can be adjusted from your source device, or directly from the radio. Use the controls on your Bluetooth-enabled device or on the radio to play / pause and navigate tracks.

NOTE

- If 2 Bluetooth devices are pairing for the first time, both will search for your radio, it will show its availability on both devices. However, if one device links with this unit first, then the other Bluetooth device will not find it on the list.

- If you take your source device out of range, the connection will be temporarily disconnected to your radio. Your radio will automatically reconnect if the source device is brought back in range. Be aware that during the period of disconnection, no other Bluetooth device can pair or link with your radio.
- If "CP-100D" shows in your Bluetooth device list but your device cannot connect with it, please delete the item from your list and pair the device with the radio again following the steps described previously.

- The effective operation range between the system and the paired device is approximately 10 meters (30 feet). Any obstacle between the system and the device can reduce the operational range.

- Bluetooth connectivity performance may vary depending on the connected Bluetooth devices. Please refer to the Bluetooth capabilities of your device before connecting to your radio. All features may not be supported on some paired Bluetooth devices.

- With some mobile phones, making / receiving calls, text messages, e-mails or any other activities unrelated to audio streaming may mute the Bluetooth audio streaming or even temporarily disconnect from your device. Such behavior is a function of the connected device and does not indicate a fault with your CP-100D.

Playing audio files in Bluetooth mode

When you have successfully connected your radio with the chosen Bluetooth source device you can start to play your music using the controls on your connected Bluetooth device.

1. Once playing has started adjust the volume to the required setting using the Volume control on your radio or on your enabled Bluetooth source device.
2. Use the controls on your Bluetooth source device to play / pause and navigate tracks. Alternatively, control the playback using Tuning control knob on your radio. Rotate the Tuning control knob in a clockwise direction to play next track. Rotate the Tuning control knob in an anti-clockwise direction to play previous track. Press the Select button to pause / play the track.

NOTE

Not all player applications or devices may respond to all of these controls.

Reconnecting a previously-paired Bluetooth source device

The CP-100D can memorize up to 8 sets of paired Bluetooth source devices, when the memory exceed this amount, the earliest pairing device will be over written from the device.

If your Bluetooth source device already paired with the CP-100D previously, the unit will memorize your Bluetooth source device and it attempts to reconnect with a Bluetooth source device in memory which is last connected. If the last connected Bluetooth source device is not available, the CP-100D will try to connect to the second last Bluetooth source device.

Disconnecting your Bluetooth device

1. Press and hold the Menu button to enter the Bluetooth menu.
2. Rotate Tuning control knob to select "Cancel Pairing". Then press the Select button.
3. To disconnect with your Bluetooth device, rotate Tuning control knob to select "Yes" and then press the Select button. There will be a confirmation tone sound and the LED indicator around the Power button will flash a fast blue to show the radio is discoverable again for pairing. Choosing "No" or "Back" will go back to the previous menu display. Press the Select button to confirm your choice.
4. Alternatively, you can press the Source button to select any mode other than Bluetooth mode or turn off Bluetooth on your Bluetooth device to disable the connection.

Deleting Bluetooth paired device memory

1. Press and hold the Menu button to enter the Bluetooth menu.

2

- minimum distances around the apparatus for sufficient ventilation;
- the ventilation should not be impeded by covering the ventilation openings with items, such as newspaper, table-cloths, curtains, etc.;
- no naked flame sources, such as lighted candles, should be placed on the apparatus;
- attention should be drawn to the environmental aspects of battery disposal;
- the use of apparatus in tropical and / or moderate climates.

11. CAUTION

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

12. If an apparatus is provided with a replaceable lithium battery, the following applies:
 - if the battery is intended to be replaced by the user, there shall be a warning close to the battery or in both the instruction for use and service instructions;
 - if the battery is not intended to be replaced by the user, there shall be a warning close to the battery or in the service instructions.

Controls

- ① Preset button
- ② LCD display
- ③ Source button
- ④ Menu / Info button
- ⑤ Select / Play / Pause button
- ⑥ Sleep / Light button

8

2. Rotate Tuning control knob to select "Clear Pairing". Then press the Select button.

3. To clear the memory of all paired devices, rotate Tuning control knob to select "Yes". Then press the Select button. Choosing "No" or "Back" will go back to the previous menu display. Press the Select button to confirm your choice.

Contrast

The contrast of the display can be adjusted.

With your radio switched on, press the Light button to adjust the required contrast. The contrast level indication on the screen will change at the same time.

Sleep timer

Your radio can be set to turn off after a preset time has elapsed. The sleep timer setting can be adjusted between 15 and 120 minutes in increments.

1. With your radio switched on, press and hold the Sleep button to enter the sleep setup menu.
2. Rotate the Tuning control knob to select the required sleep time. The sleep timer can be set to between 15 and 120 minutes, or select "Sleep off" to cancel the sleep timer. Press the Select button to confirm the setting.
3. Alternatively press and hold the Menu button to access the menu for the current mode.
4. Rotate the Tuning control knob to select "System Setup". Press the Select button.
5. Rotate the Tuning control knob to select "Sleep". Press the Select button.
6. Rotate the Tuning control knob to select the required sleep time. Or select "Sleep off" to cancel the sleep timer. Press the Select button to confirm the setting.
7. An active sleep timer is shown using a sleep timer icon on the playing displays. To view the remaining time of an active sleep timer, press and hold the Sleep button to view the remaining time.

Alternatively press and hold the Menu button and then rotate the Tuning control knob to select "System Setup". Press the Select button. Rotate the Tuning control knob to select "Sleep". Press the Select button to view the remaining time.

Alternatively press and hold the Menu button and then rotate the Tuning control knob to select "System Setup". Press the Select button to enter the system settings menu.

3. Rotate the Tuning control knob to select "Time setup". Press the Select button.
4. Rotate the Tuning control knob to select "Time update". Press the Select button to enter the setting.
5. Rotate the Tuning control knob to choose an update option from "DAB", "FM" or "Any" as required. Press the Select button to confirm your choice.

Time display

1. With your radio switched on, press and hold the Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Setup". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Time setup". Press the Select button.
4. Rotate the Tuning control knob to select "Time update". Press the Select button to enter the setting.
5. Rotate the Tuning control knob to choose an update option from "DAB", "FM" or "Any" as required. Press the Select button to confirm your choice.

Language selection

By default your radio will display all menus and messages in English. You can choose your preferred language.

1. With your radio switched on, press and hold the Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Setup". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Language". Press the Select button to enter the setting menu.
4. Rotate the Tuning control knob to select your desired language. Press the Select button to confirm the setting. The display will change to the chosen language.

Factory reset

If you wish to completely reset your radio to its initial state this may be performed by following this procedure. By performing a factory reset, all user entered settings will be erased.

1. With your radio switched on, press and hold the Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Setup". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "Factory reset". Press the Select button to enter the setting.

3

- ⑦ Power button / Volume control knob
- ⑧ Bass reflex tube
- ⑨ Tuning control knob
- ⑩ Speaker
- ⑪ 3.5mm external antenna socket
- ⑫ 3.5mm auxiliary input socket
- ⑬ DC IN 5V / 2.4A USB charging socket

Using the touch panel

The CP-100D has a stylish touch panel instead of conventional buttons. To operate the buttons simply touch the button area with the tip of a finger for about half a second. The sleep time and system menu functions marked with a dot (•) are accessed by means of a long touch (2-3 seconds) on the appropriate button until the display on the radio shows that the command has been accepted.

You may find at first that the radio does not always detect that you have touched a button. If so, try touching with a little more pressure, or for slightly longer. You will soon find the optimum touch needed to control your radio. The panel may be cleaned using a dry cloth. Do not use abrasives, cleaning fluids or solvents.

NOTE

The control panel will be auto dimmed into sleep mode when not in use. Tap any function button on the panel to bring the backlight back on without triggering its function, the second touch will then execute the function.

9

4. Rotate the Tuning control knob to select "Yes" or "No". If you do not wish to carry out a system reset, select "No" and then press the Select button to confirm the setting. Or choosing "Back" will go back to the previous menu display. Press the Select button to confirm your choice.
5. With "Yes" selected, press the Select button to reset the radio. It will erase all saved settings and preset memory stations. All settings will revert to factory default settings.

Software version display

The software version display is provided for reference and customer support purposes and cannot be changed.

1. With your radio switched on, press and hold the Menu button to access the menu for the current mode.
2. Rotate the Tuning control knob to select "System Setup". Press the Select button to enter the system settings menu.
3. Rotate the Tuning control knob to select "SW version". Press the Select button to display the software version.

Auxiliary input socket

A 3.5mm stereo Auxiliary Input socket is provided on the rear of your radio to permit an audio signal to be fed into the unit from an external audio device such as iPod, MP3 or CD player.

1. With your radio switched on, press the Source button until "Aux In" is displayed.
2. Connect an external audio source (for example, iPod, MP3 or CD player) to the Auxiliary Input socket.
3. Adjust the volume setting on your iPod, MP3 or CD player to ensure an adequate signal level from your device. Then adjust the Volume on the radio as needed for comfortable listening.

Specifications

Frequency Coverage	
FM	87.5-108 MHz
DAB	174.928-239.200 MHz
Amplifier	
Output power	1.5W 10%T.H.D. @ 100Hz
Aux In	
Input sensitivity	IN 400mV Output 1.5W @ 100Hz
Speaker	
Speaker	50mm 4ohm x 1
Bluetooth	
Bluetooth specification	Bluetooth® Ver 5.0
Profile Support	AZDP
Bluetooth Audio CODEC	AAC, SBC
Transmitting Power	Specification Power Class 2
Line of sight range	10meters / 30feet
The frequency and maximum transmitted power	2402MHz ~ 2