



# HA1030A

## OWNER'S MANUAL

Audio player (Radio/USB/MP3/Bluetooth)

The screens and operation examples in this manual have been created for the purpose of explaining operations. Due to specification changes, etc., the contents of this manual may differ from the actual screen.

## Safety Information

Thank you for purchasing this product, please read the manual carefully before operating, and reserve it for future reference.

### PRECAUTIONS

- The unit must be used only in a 24 V DC negative-ground electrical system.
- Disconnect the vehicle's negative battery terminal while installing and connecting the unit.
- When replacing the fuse, be sure to use one with an identical amperage rating.

Using a fuse with a higher amperage rating may cause serious damage to the unit.

- Ensure that no small items drop inside the unit as this could lead to malfunctions or safety hazards, e.g. electric shocks.
- If you have parked the vehicle for a long time in hot or cold weather, wait for the temperature inside the vehicle to normalise before operating the unit.

### BEFORE OPERATION

- Do not use an excessive volume level. You must always be able to hear outside sounds (horns, sirens, etc.).
- Stop the vehicle before performing any complicated operations.
- Do not open the cover and do not repair the unit by yourself. Ask your authorised dealer for help instead.

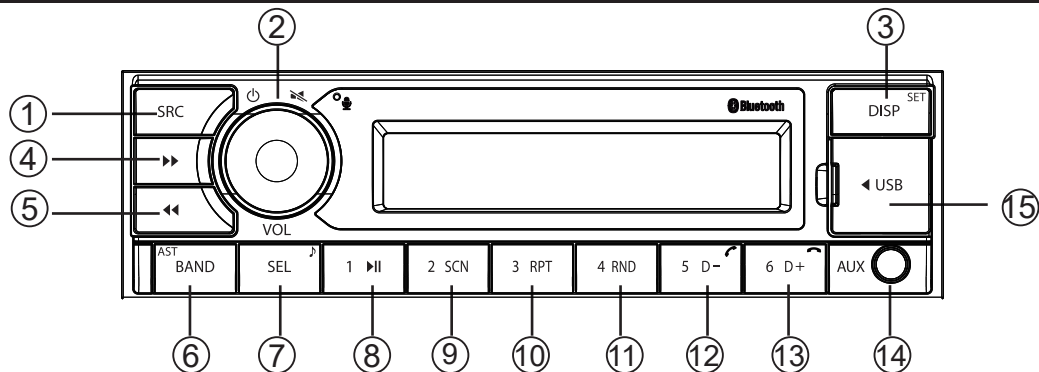
#### Note:

Specifications and the design are subject to change without notice due to improvements in technology.

## Contents

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# Panel Controls



- (1). Source Button  
 - Select Source (short press)  
 - Select Wake up Siri (long press)

- (2). Power button  
 - Power on/off (long press)  
 - Mute (short press)  
 - Rotate the VOL knob to adjust volume

- (3). Display button  
 - Display System clock  
 - Display MP3 Information (USB/A2DP Mode) (short press)  
 - User Setting Menu (long press)

- (4). >> Button  
 - Radio mode  
 - Automatic seek the station  
 - MP3 mode

Select the next track

- (5). << Button  
 - Radio mode  
 - Automatic seek the station  
 - MP3 mode  
 - Select the previous track

- (6). Band /AST Button  
 - Band select (short press)  
 - Scan ALL (long press)

- (7). Select Button  
 - Enter Audio Setting menu

- (8). - Play/pause

- (9). - Scan play

- (10). - MP3 repeat play

- (11). - MP3 random play

- (12). - MP3 previous folder  
 - Dial/Call transfer

- (13). - MP3 next folder/ Hang up

- (14). - Front auxiliary input

- (15). - USB slot

- (8-13). Preset button:  
 1-6 radio preset  
 Press to tune in a preset station.  
 Hold for more than 2 seconds to store current station.

### Power On/Off Button

Press the [  ] button to turn the unit on when the vehicle ignition switch is on. Press and hold the button to turn the unit off.

### Reception Area

This Radio is designed to work in different regions with different frequency ranges.

The reception area can be configured using the radio area settings at startup.

1. Press the [  ] button to power on the unit.
2. Rotate the [  ] button to select one of the following options: JAPAN, LATAM, MEXICO, or OTHER, then press the [DISP] button to enter the WELCOME menu.

Note: If no action is taken within 20 seconds, the device will automatically tune to the default region (Japan).

### Adjust Volume level

Rotate the knob to adjust volume level. Rotate it clockwise to increase and anticlockwise to decrease the volume.

### Audio Mute

Press the [  ] button to mute the volume from the system. "MUTE" will appear on the display panel and the volume will be muted. Press the [  ] button again, or rotate the VOL control to return the volume level to the

setting in use before the Mute function was activated.

### Select Source

Press the [SRC] button to switch between and select available sources: TUNER->USB->AUX->Bluetooth. USB and Bluetooth is only visible in the menu when connected.

### Clock Setting

The clock time can be adjusted manually by long pressing the [DISP] button to set the time.

1. Select [CLOCK] with the search buttons [ << / >> ].
2. Press [SEL] button and rotate [VOL] knob to adjust the hours.
3. Press [SEL] to select adjust minutes. Rotate [VOL] knob to adjust the minutes.
4. Press the [SEL] button to save the settings.

### System Settings

The system settings menu is entered by long pressing the [DISP] button. To access the available menu entries push the search buttons [ << / >> ]. To select the available options of each menu entry rotate the [VOL] knob.

For details see chapter system settings of this manual.

### Predefined sound effects

The Radio provides different predefined sound effects .

Press the [SEL] button to enter the Sound settings menu. Rotate the [VOL] knob to select one of the following options:

EQ OFF -> POP-> ROCK -> CLASSIC -> JAZZ -> CUSTOM.

### BALANCE, FADE, CUSTOM and Loud

To adjust Balance, Fader and Loudness press the [SEL] button and then push [ << / >> ] button to select BALANCE -> FADER-> CUSTOM -> LOUD. Rotate the [VOL] knob to adjust Balance, Fade, Custom and Loud according your needs.

### Manual Sound Adjustment

For manual sound adjustment first select CUSTOM.

Push the [SEL] button again and then select BASS or TREBLE with the [ << / >> ] button. Rotate the [VOL] knob to adjust BASS and TREBLE according your needs.

### AM/FM Radio Selection

To access AM/FM Radio press the [SRC] button and select Tuner.

### Select Band

Press the [ BAND ] Button to select one of the available Radio Bands. The Radio bands will be changed in the following order:  
FM1 -> FM2 -> FM3 -> AM1 -> AM2

### Automatic Tuning

For Automatic tuning press the [ << / >> ] button. The Radio will search and select the next receivable station.

### Manual Tuning

For manual station selection press the [ << / >> ] button for longer than 2 sec. "MANUAL" is shown in the display. Pressing the [ << / >> ] button again the frequency will be incrementally increased/decreased.

### Manual Storing Favourites

There are 18 FM , 12 MW Favourite presets available.

Select the favourite bank where to store the station and tune the station that shall be

stored. Push the preset button longer than 2 sec. to store the station.

### Recall Stored Favourites

To recall a stored favourite push the according preset button.

### Auto Memory Store

To search for the best receivable stations and store them as favourite press the (BAND/AST) button for 2 sec. The Radio searches the best receivable station and stores them.

### Pairing

Use this function to establish a connection between the unit and your mobile phone.

1. Turn on the unit.
  2. Turn on Bluetooth function of your mobile phone, keep phone within 3 meters to the unit and start to search for Bluetooth devices.
  3. After the name of the Bluetooth module "Bluetooth\_Audio" appears on the pairing list of your mobile phone, select it. A dialog box appears. Click OK to connect.
  4. After pairing successfully, Bluetooth and HFP icons will light up.
- A2DP icon will light up after A2DP connected.

### BT mode selecting

Press [SRC] button to choose BT mode.

### Receive

1. After pair successfully, if there is a call incoming, the unit switch to BT mode automatically.
2. Press [5D-] button to receive.
3. Press [6D+] button to hang up.

### Bluetooth microphone mute

You can deactivate the microphone. Press the [VOL] knob during the call.

### Wake up Siri

Press the [SRC] button for 2 seconds to wake up Siri, the radio microphone will be used without any action on your smartphone.

### Music Mode

#### A2DP

A2DP is short for Advanced Audio Distribution Profile. The mobile phones supporting this function can transmit stereo audio, whereas the ones not supporting this function can transmit mono audio only.

On A2DP music playing mode, press [1] button to choose pause/play mode.

Press [< / >] button to previous or next track.

Get all the information from the file by pressing the [DISP] button (Title, Artist, Album).

### Disconnect BT

To disconnect Bluetooth, press and hold the [⏻6D+] button for 2 seconds.

### Loading USB equipment

Plug the USB device into the socket. The unit automatically starts playing the music and the LCD will show "USB".

### Take out USB equipment

Push the SRC button and switch to non USB mode, then take off the USB device.

### Play / Pause a track

Push the [1] button to pause audio playback.

To resume audio playback, push the [1] button again.

### Next/Previous MP3 Track.

To select the next/previous track push the [<</>>] button.

### Fast forward/fast rewind.

To fast forward/fast rewind the current track push the [<</>>] button longer than 2 sec.

### Random Play

To activate random play push the button [4 RND].

### Repeat

Push the [3 RPT] button to activate repeat file/repeat fold/repeat off.

### SCAN

To activate/stop the scan function push the button [2 SCN]. In scan mode all titles are played for 10 sec.

## System Setting

### AM/FM Tuner Options

#### DX/LO

Search Level of AM/FM-Tuner.

#### AM

To enable/disable AM Reception.

#### AREA SEL

To adjust the AM/FM tuner to your region.

### Bluetooth Options

#### AUTO CON

To disable/enable Bluetooth connection

#### AUTO ANS

The call is automatically accepted after 3 seconds.

### Others

#### INFO SCL

Activate/deactivate the display of title and artist information.

#### CLOCK

To adjust hours and minutes.

#### VISIBLE

The clock must be visible on the display even when the radio is switched off.

#### 12/24H

To select 12 / 24 h Clock format

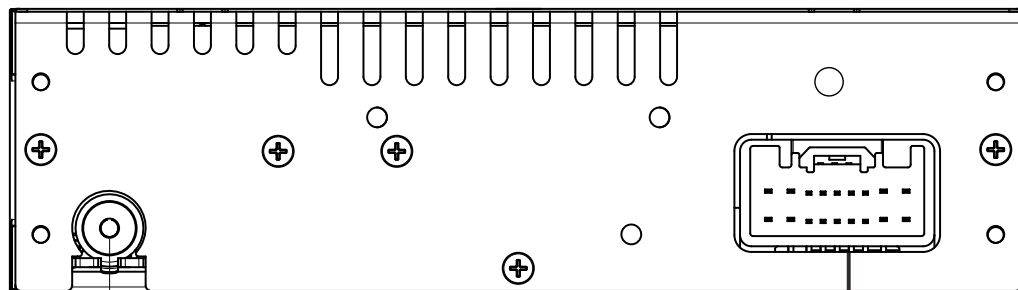
#### BEEP

Activate/deactivate the confirmation beep.

#### AUX SENS

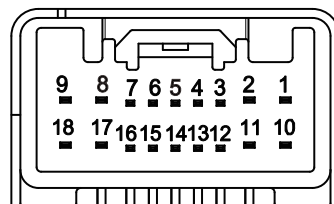
To adjust the input sensitivity for the auxiliary input (Low Medium and High)

## Connections



FM/AM DIN connector

| PIN.NO. | FUNCTION | PIN.NO. | FUNCTION             |
|---------|----------|---------|----------------------|
| 1       | Battery+ | 10      | Power Ground         |
| 2       | Rear R-  | 11      | NA                   |
| 3       | Rear R+  | 12      | ILL+                 |
| 4       | Front R- | 13      | NA                   |
| 5       | Front R+ | 14      | ST-SW2(SEEK+, SEEK-) |
| 6       | Front L+ | 15      | ACC                  |
| 7       | Front L- | 16      | ST-SW1(HF)           |
| 8       | Rear L+  | 17      | Rear L-              |
| 9       | VSP      | 18      | ST-SW GND            |



## Troubleshooting

The following checklist can help you solve some problems which you may encounter when using the unit. Before consulting it, check the connections and follow the instructions in the user manual. Do not use the unit in abnormal condition, for example without sound, or with smoke or foul smell can cause fire or electric shock, immediately stop using it and call the store where you purchased it.

| Problem                                  | Possible cause                                                                | Solution                                                                                                                                       |
|------------------------------------------|-------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>General</b>                           |                                                                               |                                                                                                                                                |
| The unit will not switch on.             | Car ignition is not on.<br>Cable is not properly connected.<br>Fuse is burnt. | Turn your car key in the ignition.<br>Check cable connection.<br>Replace fuse with a new fuse of the same capacity.                            |
| No sound                                 | Volume is set at minimum or the mute function is on.                          | Check the volume or switch the mute function off.                                                                                              |
| <b>Mode TUNER</b>                        |                                                                               |                                                                                                                                                |
| Unable to receive stations.              | The antenna is not connected properly.                                        | Connect the antenna properly.                                                                                                                  |
| Poor quality reception of radio station. | The antenna is not fully extended or it is broken.                            | Fully extend the antenna and if broken, replace it with a new one.                                                                             |
| <b>Mode USB</b>                          |                                                                               |                                                                                                                                                |
| The USB device cannot be read.           | NTFS format is not supported.                                                 | Check that the file system is in FAT or FAT32 format. Due to different formats, some models of storage devices or MP3 players may not be read. |

# Specifications

## General

|                             |                    |
|-----------------------------|--------------------|
| Power supply:               | 17V~32.5V DC( 24V) |
| Maximum power output:       | 4x45 W             |
| Suitable speaker impedance: | 4 ohm              |
| Fuse spec:                  | 5 A                |
| Weight:                     | 0.562 kg           |
| Dimensions (WxHxD):         | 180x50x125.1 mm    |
| USB Charging:               | 1.5A 5V            |

## FM Stereo Radio

### JAPAN

|                  |            |
|------------------|------------|
| Frequency range: | 76 - 99MHz |
| Step:            | 100KHz     |

### LATAM

|                  |                 |
|------------------|-----------------|
| Frequency range: | 87.9 - 108.0MHz |
| Step:            | 100KHz          |

### MEXICO

|                  |               |
|------------------|---------------|
| Frequency range: | 87.5-107.9MHz |
| Step:            | 200KHz        |

### OTHER

|                  |                 |
|------------------|-----------------|
| Frequency range: | 87.5 - 108.0MHz |
| Step:            | 50KHz           |

## AM Radio

### JAPAN

|                  |              |
|------------------|--------------|
| Frequency range: | 522- 1629KHz |
| Step:            | 9KHz         |

### LATAM

|                  |               |
|------------------|---------------|
| Frequency range: | 530 - 1620KHz |
| Step:            | 5KHz          |

### MEXICO

|                  |               |
|------------------|---------------|
| Frequency range: | 530 - 1710KHz |
| Step:            | 10KHz         |

### OTHER

|                  |               |
|------------------|---------------|
| Frequency range: | 522 - 1629KHz |
| Step:            | 9KHz          |

## BT

|                   |                |
|-------------------|----------------|
| Frequency Band    | 2400 - 2480MHz |
| Operation Range   | >10 meters     |
| Transmit power    | 7 dBm          |
| Maximum Data Rate | 3Mbps          |

## Environment

|                       |               |
|-----------------------|---------------|
| Storing Temperature   | -40°C ~ +85°C |
| Operating Temperature | -30°C ~ +80°C |

## FCC STATEMENT

1. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

2. any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

## FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body



There are no restrictions of use

P/N:12707500XXXXXX