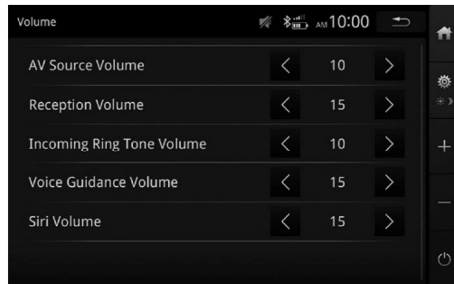


Volume Settings



AV Source Volume

Adjust audio source volume. (0-40) (Default: 10)

Reception Volume

Adjust calling volume. (0-40) (Default: 15)

Incoming Ring Tone Volume

Adjust incoming ring tone volume. (0-40) (Default: 10)

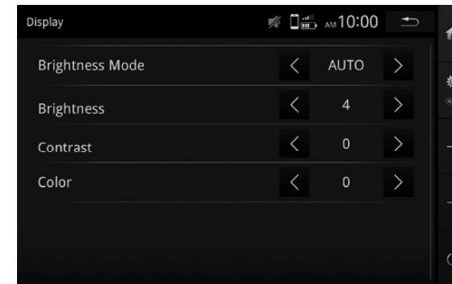
Voice Guidance Volume

Adjust Apple CarPlay guidance and Android Auto voice recognition volume. (0-40) (Default: 15)

Siri Volume

Adjust Apple CarPlay Siri volume. (0-40) (Default: 15)

Display Settings



Brightness Mode

Switch brightness mode. (Auto/Day/Night) (Default: Auto)

Brightness

Adjust brightness. (-7, -6, -5, -4, -3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7)
(Default: 4 in Day Mode / -4 in Night Mode)

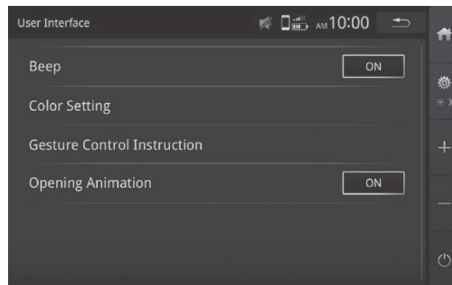
Contrast

Adjust contrast. (-4, -3, -2, -1, 0, 1, 2, 3, 4)
(Default: 0 in Day Mode / 0 in Night Mode)

Color

Adjust Color. (-4, -3, -2, -1, 0, 1, 2, 3, 4)
(Default: 0 in Day Mode / 0 in Night Mode)

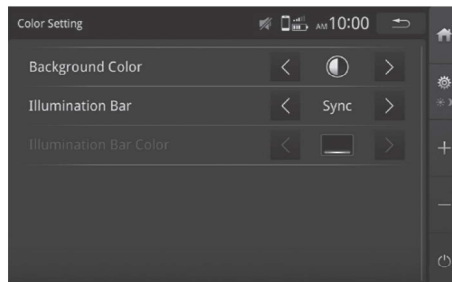
■ User Interface Settings



■ Beep

Beep sound turns. (ON/OFF) (Default: ON)

■ Color Setting



Background Color

- Adjust the background color. ( Yellow (Default)/Blue/Red)

Illumination Bar

- Adjust the illumination bar. (Sync/User/Off) (Default: Sync)

[Sync]: The illumination bar color will automatically follow the adjustment of the background color.

[User]: You can separately adjust the background color and the illumination bar color.

[Off]: The illumination bar will be turned off.

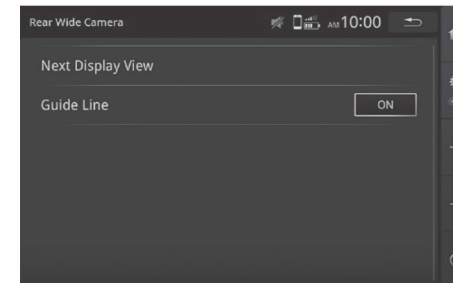
Illumination Bar Color

- When Illumination Bar selects **[User]**, adjust the illumination bar color. ( White/Blue/Red)

■ Clock Settings

See P. 8-9.

■ Rear Wide Camera Settings



■ Next Display View

Last view

- Maintains the last view mode when the gear shift is moved to the REVERSE (R) position.

Wide view when last view is Top down view

- If Top view was the last view used before your turned off the engine, Wide view mode is selected next time you turn the ignition switch to ON and move the gear shift to REVERSE (R).

Normal view when last view is Top down view

- If Top view was the last view used before your turned off the engine, Normal view mode is selected next time you turn the ignition switch to ON and move the gear shift to REVERSE (R).

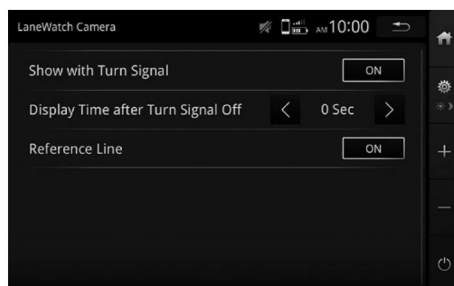
■ Guide Line

Adjust to turn on or off guidelines. (ON/OFF) (Default: ON)

NOTE

- Rear wide camera function is available on some vehicles.
- Top View has a memory function only in the following situations:
 - Last View mode
 - The other modes: when speed<10 km/h within the same ACC cycle.

LaneWatch Camera Settings



Show with Turn Signal

The LaneWatch screen is displayed when the turn signal is on. (ON/OFF) (Default: ON)

Display Time after Turn Signal Off

You can set the time to display LaneWatch after the turn signal is turned off. (0 Sec / 2Sec) (Default: 0 Sec)

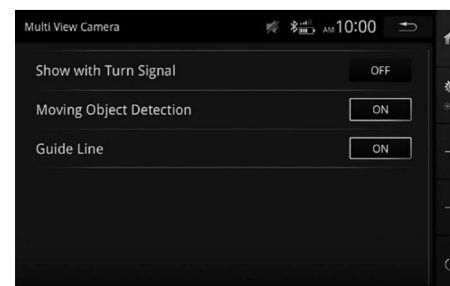
Reference Line

Adjust to turn on or off guidelines. (ON/OFF) (Default: ON)

NOTE

- LaneWatch Camera function is available on some vehicles.

Multi View Camera Settings



Show with Turn Signal

The Multi View screen is displayed when the turn signal is on. (ON/OFF) (Default: OFF)

Moving Object Detection

Detect moving objects and display their direction using yellow boxes in the top view. (ON/OFF) (Default: ON)

Guide Line

Adjust to turn on or off guidelines. (ON/OFF) (Default: ON)

NOTE

- Multi View Camera function is available on some vehicles.

Software Information

Display the software information of the unit.

Open Source Licenses

Display the open source licenses information.

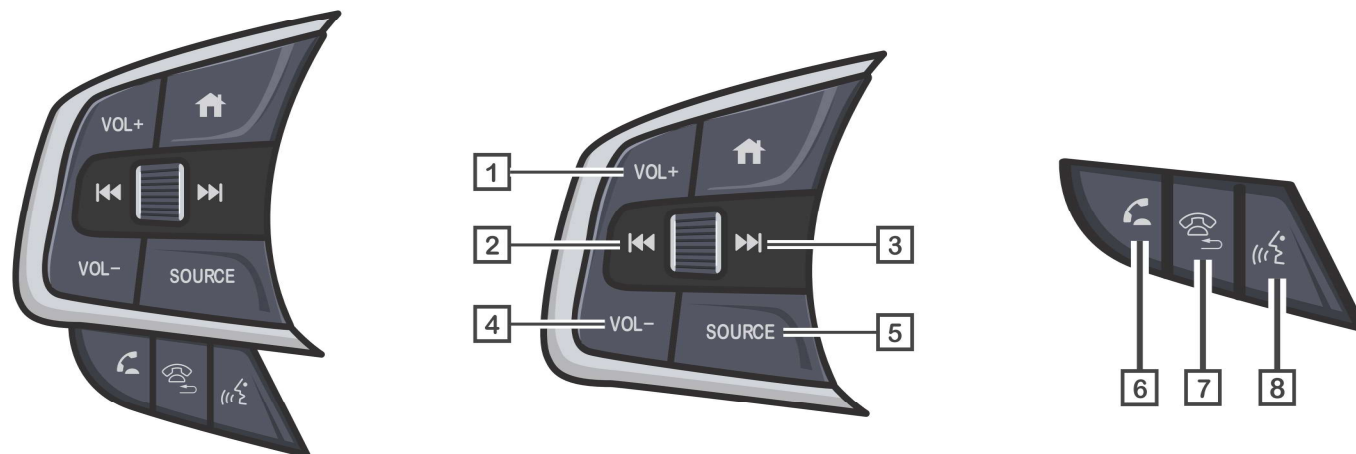
Restoring Factory Default

Restore factory default and touch Yes to delete personal and privacy data then become initial default settings.

Steering Wheel Control Switch

This unit can be operated by using the buttons on the steering wheel.

* Illustration varies depending on the type of car.



Number	Short Press	Long Press (Hold)
1	Adjusts the volume up.	Volume up continuously. The volume will go up to 25. After that, you can go up to 40 with short press.
2	Radio: Select previous preset channel. Apple CarPlay / Android Auto, USB, iPod, Bluetooth Audio: Select Previous track.	Radio: Auto reverse Seek. USB, iPod, Bluetooth Audio: Fast Backward.
3	Radio: Select next preset channel. Apple CarPlay / Android Auto, USB, iPod, Bluetooth Audio: Select Next track.	Radio: Auto forward Seek. USB, iPod, Bluetooth Audio: Fast Forward.
4	Adjusts the volume down.	Volume down continually.

Number	Short Press	Long Press (Hold)
5	Switch sources AV OFF > Apple CarPlay*₁ / Android Auto*₁ / WebLink*₁ > DAB1*₂ > DAB2*₂ > DAB3*₂ > FM1 > FM2 > AM > Bluetooth Audio*₂ > iPod/USB*₂ > AV OFF *₁ Display will not change when switching sources while in Apple CarPlay, Android Auto and WebLink. *₂ This mode will be shown only when equipment is connected or Function available.	Switch Mute and Unmute.
6	[When Not Talking]: Transition to Hands Free Screen. [When Talking]: N/A [Incoming call]: Receive an incoming call. [Dialing]: N/A	
7	[When Not Talking]: Turn back to the previous screen. * Effective only when the back button is displayed on the screen. [Talking]: End call. [Incoming call]: Refuse incoming call. [Dialing]: End Call.	
8	Behavior depends on the smartphone model. * No action when Apple CarPlay / Android Auto is not connecting. Apple CarPlay: When no Siri activate: Start the Voice Recognition. When Siri is activating: Cancel Voice recognition. ----- Android Auto: When no Voice Recognition activate: Start the Voice recognition. When Voice Recognition is activating: Cancel Voice recognition.	Behavior depends on the smartphone model. * Display Bluetooth pairing waiting dialog when no Bluetooth device is connected. Apple CarPlay: When no Siri activate: Start the Voice Recognition. When Siri is activating: Restart the Voice Recognition. ----- Android Auto: When no Voice Recognition activate: Start the Voice Recognition. When Voice Recognition is activating: Restart the Voice Recognition.

Appendix

Video File Format	Profile	Max.Picture size	Max.bit rate	Audio Format
MPEG-1 (.mpeg)	-	352x240, 352x288	1.5 Mbps	MPEG Audio Layer 2
MPEG-2 (.mpeg)	MP@ML	720x480, 720x576	8 Mbps	MPEG Audio Layer 2
H.264/MPEG4-AVC (.mp4,.avi,.mkv)	Baseline Profile, Main Profile	1920x1080(30fps)	8 Mbps	MP3, AAC
MPEG-4 (.mp4,.avi,.mkv)	Advanced Simple Profile	1920x1080(30fps)	8 Mbps	MP3, AAC
WMV (.wmv,.mkv)	Main Profile	1920x1080(30fps)	8 Mbps	WMA

- Video files may not be played properly depending on the environment in which the file was created.
- Video files of high bit rate may stop playing partially, or the sound may be skipped or cut out.

Audio File Format	Audio Codec	Sample Rate (kHz)	BPS (kbps)	Bit	Note
MP3	MPEG PS	16 - 48	8 - 320	16-bit	
AAC	AAC-LC / HE-AAC	16 - 48	8 - 320	16-bit	adts / loas / latm
		16 - 48	8 - 320	16-bit	adif / raw: no tricky play
WMA	Windows Media Audio	16 - 48	8 - 320	16-bit	Not Support: 1. WMA v1 2. WMA lossless 3. WMA voice
WAV	LPCM IMA-ADPCM	16 - 192	-	16-bit, 24-bit	
FLAC	FLAC	16 - 192	-	16-bit, 24-bit	

Specifications

Display Section

Display type

: 10 inch TFT LCD

Display size

: 217 mm (W) x 135.6 mm (H)

Display Resolution

: WXGA

Number of pixels

: 1280 × 800 (H × V)

USB Interface Section

USB Standard

: USB 2.0 High Speed

File System

: FAT16/32

Maximum Power Supply Current

: DC 5 V  1.5 A

Audio Decoder

: MP3/ WMA/ AAC/ WAV/ FLAC

Video Decoder

: MPEG1/ MPEG2/ MPEG4/ WMV/ H.264/ MKV

Wi-Fi Section

Wireless LAN Standards

: IEEE 802.11 a/n/ac

Frequency Range

: Single Band (5GHz)

Bluetooth Section

Technology

: Bluetooth Ver. 5.3

Frequency

: 2.402 – 2.480 GHz

Maximum Communication range

: Line of sight approx. 10 m

Audio Codec

: SBC

Profile (Multi Profile support)

- HFP (Hands Free Profile) 1.8
- SPP (Serial Port Profile) 1.2
- A2DP (Advanced Audio Distribution Profile) 1.4
- AVRCP (Audio/Video Remote Control Profile) 1.6.2
- PBAP (Phonebook Access Profile) 1.2.3

FM Tuner Section

Frequency Range

: 87.5 – 108.0 MHz

AM Tuner Section

Frequency Range

: 531 – 1602 kHz

Audio Section

Maximum Power Output

: 40 W × 4

Rated Power Output

: 16 W × 4 (10% THD)

Speaker Impedance

: 4 Ω

General

Operating Voltage

: 12V DC Car Battery (10–16 V allowable)

Maximum current consumption

: 15A

Operational temperature range

: -30°C – +70°C

Dimensions

: Chassis : 180 mm (W) × 50 mm (H) × 140.3 mm (D)

: Front panel : 250 mm (W) × 168.1 mm (H)

Weight

: 1.6 kg

NOTE

- Specifications subject to change without notice.