For Safe Use

Safety Cautions

▦ Caution!

- Do not disassemble or modify this device. Such acts may result in accidents, fire or electric shock.
- Please be careful not to introduce water or foreign matter inside the product. Such may be the cause of fumes, ignition, or device malfunction.
- If a problem occurs, such as foreign matter entering the device or device exposure to water or smoke, stop use immediately and contact your dealer or a designated maintenance center. Not doing so may result in device malfunction.
- Do not use the device under faulty conditions such as no display or sound. Such may result in accidents (fire, electric shock, etc.) or critical product malfunction.
- When operating this device, do not operate in no-stop or no-parking zones. Such acts may result in accidents.

Safety Warnings

▦ Caution!

- Device operation while driving may lead to traffic accidents. When operating the device, first park your vehicle in a safe place. For safety reasons, some features may be disabled while the vehicle is in motion and enabled when the vehicle is parked.

- This device is a product specifically designed for use in automobiles. To change the mounting position of the system, please inquire with your place of purchase or service center. Installing or disassembling the device requires technical understanding.

- When cleaning the touch screen, turn off the power and wipe it with a dry, soft cloth. Do not use hard cloths, chemical mops or organic solvents (alcohol, benzene, thinner, etc.) as they may scratch or alter the surface of the panel. If any problem occurs with the product, please contact the dealer or service center to take action.

- Do not subject the device to excessive impact. Direct pressure to the front of the monitor may damage the LCD panel and touch panel.

- Operating the device for prolonged periods of time with the engine turned off will display an electrical discharge warning on the screen. Be sure to operate the system with the engine running.

■ The product is designed for DC 14V negative-ground vehicle use only. Do not use non-standard power supplies.

■ Do not use gasoline, thinner, benzene, or organic solvents, to clean the unit.

▦ Information
The preset memory is cleared to the default factory state when the power connector or battery is disconnected.

Key Product Information

⊞ Key Product Information

■ iPod
iPod is a registered trademark of Apple Inc.

■ Apple CarPlay
Apple CarPlay is a registered trademark of Apple Inc.

■ Bluetooth
The Bluetooth word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks is under license.
Bluetooth enabled mobile phone is required to use Bluetooth wireless technology.

■ DivX
This product is a DivX certified® product that has passed stringent DivX video play tests. As a DivX-certified product, this product can play premium HD DivX videos. (Including .avi and .divx)
DivX, DivX Certified, and associated logos are trademarks of DivX and LLC, and are used under license.
The are protected by at least one of the following U.S. patents: : 8,731,369; 9,369,687; 10,708,521; RE45,052

■ Dolby
Manufactured under license from Dolby Laboratories.
Dolby and double-D symbol are trademarks of Dolby Laboratories.

■ Android Auto
Android Auto is a registered trademark of Google Inc.

⊞ Using SD Memory Cardts

1. The SD Card slot within this device is for map files.
2. The map file has been saved on the SD card for this device.
   Do not add, delete, or format files within the SD card. Eject/insert SD card only to update the map with a new version.
3. Please use only the SD card that was provided from the dealer.
   Do not separate or copy the Map file into a different SD card that you may own. Such may result in malfunctions or incorrect operation.
4. Ejecting and inserting SD cards while the system is operating may result in SD card or System errors.
   To eject or insert the SD card, first turn off the the vehicle ignition.
5. Repeatedly connecting/disconnecting the SD card in a short period of time may cause device damage.
6. The SD card is formatted to include only Map data file.
   Saving other files in the SD card may result in system errors or malfunctions.

Memo

AV System User Guide

Language

User Manual	uživatelský manuál
Manuel de l'utilisateur	používateľská príručka
Manuale dell'utente	használati utasítás
Bedienungsanleitung	manual de utilizare
Manual del usuario	instrukcja obsługi
Gebruikershandleiding	用户手册
Руководство пользователя	کتابچه راهنمای مالک
Kullanım Kılavuzu	دليل المالك
Manual do propriétario	

Contents

I Smart Audio

Smart Audio

Component Names and Functions

⊞ Front View

Button	Description
③ MEDIA	MEDIA • In any modes, each press of the key will change the mode in order of Media(USB) → Bluetooth Music → My Music. • When CarPlay or Android Auto is connected, first of all, the mode will be changed to CarPlay or Android Auto.
④ PHONE	PHONE • Moves to Bluetooth mode. • In Bluetooth phone mode, press shortly to display the Call History. Press again to call the most recently dialed number. • While on a call, shortly press to convert between Handsfree and Private. • Press and hold to call the most recently dialed number. • While receiving an incoming call, press and hold to reject the call. During a call, press and hold to end the call.
⑤ SETUP	SETUP • In any mode, press and hold to display the Settings screen. • In the Radio/Audio/Video/Bluetooth Phone mode, press to display the corresponding settings screen.
⑥ USER	USER • Used to register and use the desired feature with this key. • Press shortly to move to the registered feature. • Press and hold to move to the User Key Settings screen and register the desired feature with this key.
⑦ PWR/VOL	POWER/VOL • Used to turn the power on/off or control the volume. • Press and hold (over 1.5 seconds) to turn the power off. • Press shortly to turn the AV on/off. • Turn left/right to control volume. (volume control range 0~45)

Button	Description
① RADIO	RADIO • Moves to RADIO mode. • Each press of the key will change the mode in order of FM1→-FM2→AM.
② MODE	MODE • Moves to the main mode screen. • In main mode screen, press and hold(over 1.5 seconds) to operate the most recent AV mode.

Steering Wheel Controller

Button	Description
1 — MUTE	• Turns Mute feature On/Off. • Press the key during a call to block outgoing sound.(Mic Mute) • Press up/down to adjust the volume.

2 — MODE	• In any mode
	  - each press of the key will change the mode in order of Radio → Media → My Music → Bluetooth Music mode. (If the media device is not connected, corresponding modes will be disabled)
	• In Radio mode
	  - press and hold to change the radio mode in order of FM1 → FM2→ AM → mode.
	• In Media mode
	  - press and hold the switch to change to mode in order of USB Music → Video → Image mode.

3	• While playing
	  - press up/down to move the previous/next file.
	• In Radio mode
	  - press up/down to move the previous/next preset.
	  - press and hold up/down to move the previous/next broadcast frequency.

4	• Operates Bluetooth Handsfree mode. • Press and hold the key to end the call.

5	• In Apple CarPlay mode
	  - operates Siri.
	• In Android Auto mode
	  - Operates Google Voice Recognition

Basic Operation

▨ Starting the System
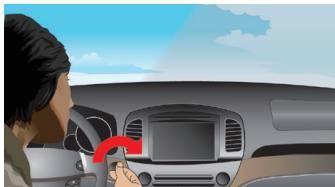
- Press the engine start button once or set the ignition key to the ON or ACC position.

- Once booting is complete, the most recent mode will operate. (Default mode is Radio FM1)

- The Ssangyong Motors logo is displayed and the system will boot.

▨ Turning the System Off

- Press and hold (over 1.5 seconds) the POWER/VOL button to turn the power off. When the system power is turned off, the final operating mode is saved.

- When the power is turned off, the current time is displayed.

▨ Restarting the system

- Press the RADIO and USER keys simultaneously.

- The system will turn off and reboot.

■ **Information**
- When the ignition is turned on again, the system will automatically turn on the most recently operated mode.
- The system will automatically turn off if more than 3 minutes has passed in ignition off state and the driver-side door is opened.
- Resetting the system will restore all existing settings and configurations back to their default states. This is to ensure device stability.
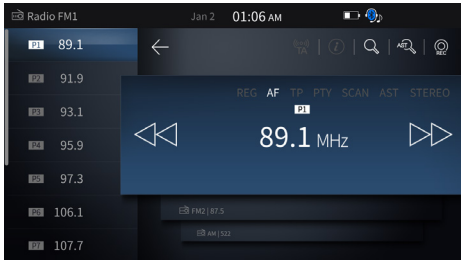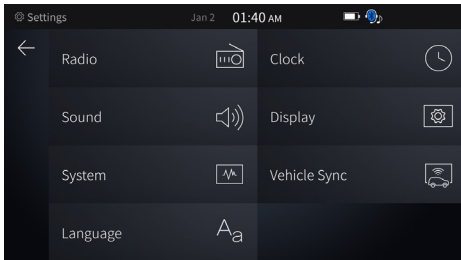
RADIO

- Press the RADIO key to move to the Radio screen.
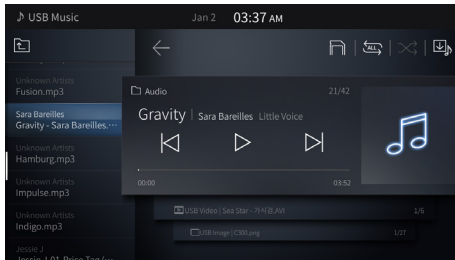- Plays radio broadcasts from FM1/FM2/AM/DAB(EU only).

SETUP

- Press the SETUP key to move to the Settings screen.
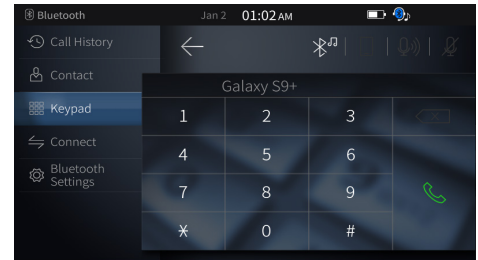- In the Settings screen, select the desired menu.

MODE

- Press the MODE key to move to the Mode screen.
- In the Mode screen, select the desired menu.
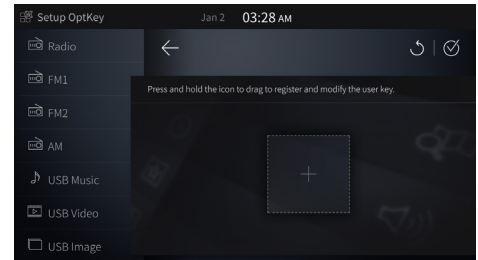
MEDIA

- Press the MEDIA key to move to the Media screen.
- In the Media screen, select the desired menu.

PHONE

- Press the PHONE key to move to the Bluetooth phone screen.
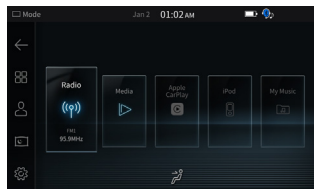- In the Bluetooth phone screen, pair a Bluetooth device and make a call.

USER

- Press the USER key to move to the registered feature.
- Press and hold the USER key to registered the desired feature with his key.
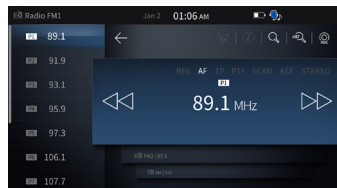
Selecting Mode

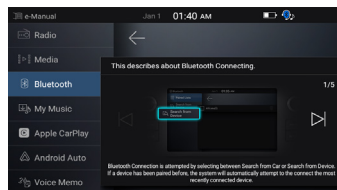## ⊞ Main Mode

- From the system hard keys, press the MODE key.

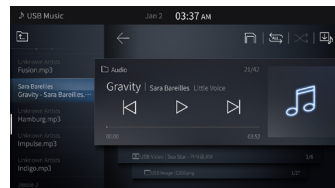- In the Mode screen, select the desired mode.

⊞ Radio

- This feature allows users to play radio broadcasting from FM1/FM2/AM.
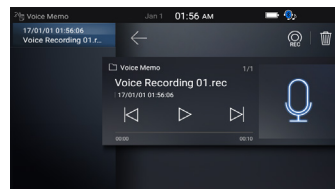
⊞ e-Manual

- In Radio Mode, press the DAB button to enter the DAB mode to listen to Digital Audio Broadcasting.

⊞ Media

- This feature allows users to play music, video, image files in the USB device.
- This feature will not operate unless there is at least one music, video or image file in the USB device.
- SD cards support the same functionality.

⊞ Voice Memo

- This feature allows users to check the method of using the key features.
- Select the desired menu from the list on the left-side of the screen and use the left/right buttons to make operations.

⊞ My Music
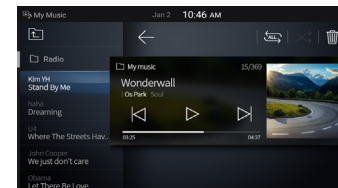
- This feature allows users to play radio broadcasts by saving them using the Radio Recording feature.
- Music files within Media mode that you listen to frequently can be saved to the AV system to create your unique Music Lists.

Bluetooth Phone

- This feature allows the user to conveniently make phone calls with Bluetooth phones.
- Before you use the Bluetooth feature, you must first pair/connect your mobile phone to your car.
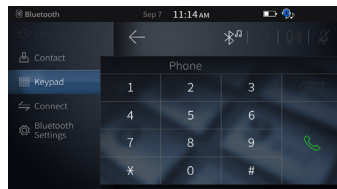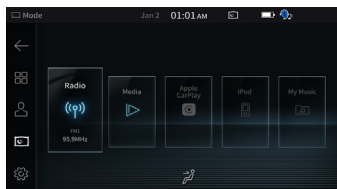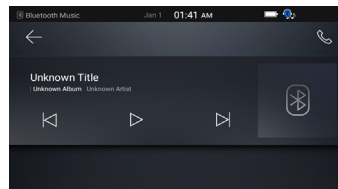
Rear Sleep

- This feature mutes the rear speakers and allows rear-seat occupants to have rest.
- The maximum AV volume level is limited to value 15.

Bluetooth Music

- This feature allows users to play music saved in the mobile phone in the car through Bluetooth audio streaming.
- Users can switch music palyback between two connected bluetooth devices.

■ **Information**
- Bluetooth multipoint pairing may vary depending on device.

Climate(Optional)

- This feature allows users to check the A/C, heater temperature and fan direction.

Android Auto
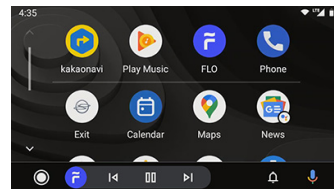
- This features allows user to connect an Android phone to the AV system and use various features.

Apple CarPlay
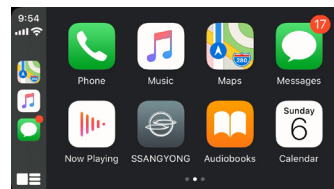
- This feature allows users to connect an iPhone with the AV system and conveniently to use various features, including Phone, Navigation, Messages, Music, and Siri.

■ **Information**
- Android Auto is not available when oncar is connected.

iPod
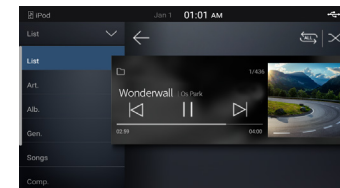
- This feature allows users to enjoy music by connecting your iPod device with the AV system.

Connecting CarPlay, iPod and Android Auto

■ **Caution**
- When connecting USB Cable, use only authentic connection Cable.
- Apple CarPlay is not supported when iPod is in use mode through an iPhone.

English

System Settings

⊞ System Settings

- From the system hard keys, press and hold the SETUP key.

⊞ Clock Settings
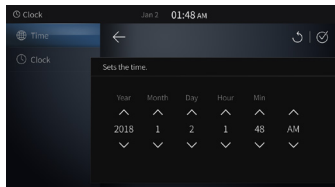
- Used to set the date and time.
- Press the ↻ button at the top-right side to initialize the settings.

⊞ Display Settings
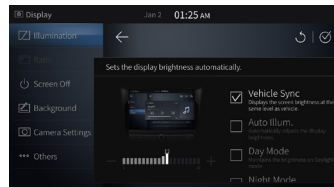
- Used to set sound fader/balance, EQ and other sound settings.
- Press the ↻ button at the top-right side to initialize the settings.

⊞ Vehicle Sync
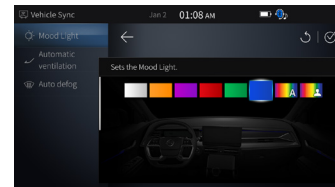
- Used to select Mood light, After blow, Auto defog settings.
- Press the ↻ button at the top-right side to initialize the settings.

⊞ Radio Settings
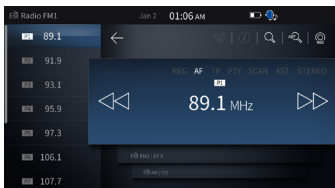
- Used to set RDS and PTY Seek srttings.
- Press the ↻ button at the top-right side to initialize the settings.

⊞ Sound Settings
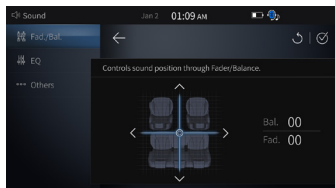
- Used to set the illumination, ratio, screen off, background, and other display settings.
- Press the ↻ button at the top-right side to initialize the settings.

⊞ System Information
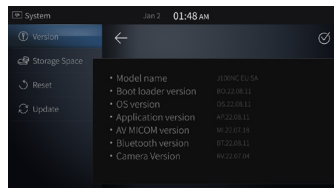
- Used to check system information and perform system reset/upgrade.

⊞ Language Settings
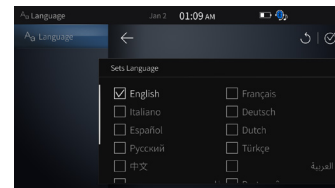
- Used to set language.
- After selecting the desired language, press the ☑ button at the upper right side. The system will automatically restart.
- Press the ↻ button at the top-right side to initialize the settings.

English

To ensure safety, a rear view camera will operate when the vehicle is driving in reverse.

■ When the transmission level is shifted to reverse (R) position, the rear view camera will operate regardless of your current mode.

■ The rear view camera will automatically stop operating when shifted to a different position.

■ When the rear view camera is operating, it is possible to use the volume and mute features.

■ The Parking Assistance System(PAS) feature can be turned on/off within Settings.

■ When the transmission level is shifted from reverse (R) to park (P) position, the rear screen will be displayed for 5 seconds and turned off. (This feature can be turned on/off within Settings)
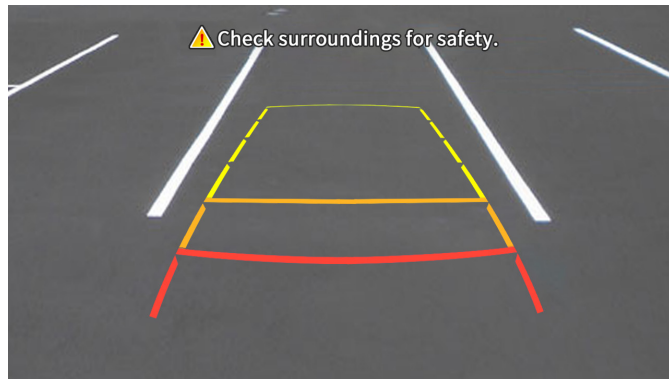
When PAS is turned off
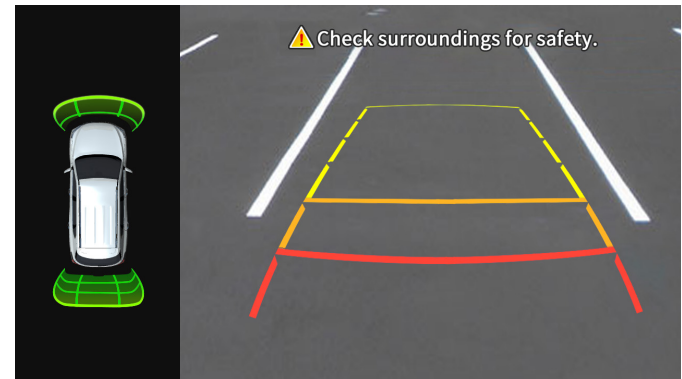
When PAS is turned on

■ **Caution!**
- The rear view camera screen may appear different from the actual distance. For your safety, always use caution and directly check the rear and left/right sides when backing up.
- When operating the rear view camera, heed caution as the warning text and parking guide lines may make obstacles less visible.

Warning!

- The rear view camera is unavailable during updates. Make sure to park your vehicle before conducting updates and start driving only after the update is complete.
- When the rear view camera is operating, only the volume and incoming call features are supported.

Media Mode

▦ About USB(SD card) Memory Devices

1. Connect the USB(SD card) device after starting the ignition. The USB(Card) device may become damaged if it is already connected when the ignition is turned on. USB(SD card) devices are not automotive electronic components.
2. Turning the ignition on or off with the USB(SD card) device connected may result in improper USB(SD card) operation.
3. Heed caution to static electricity when connecting/disconnecting external USB(SD card) devices.
4. Encoded MP3 players will not be recognized when connected as an external device.
5. When connecting an external USB(SD card) device, the system may not recognize the USB(SD card) device in certain conditions.
6. USB(SD card) devices formatted into FAT32 are recommended, and the exFAT file system is not supported.
7. Repeatedly connecting/disconnecting USB(SD card) device in a short period of time may result in product damage.
8. An abnormal sound may occasionally occur when disconnecting the USB(SD card) device.
9. Disconnecting the USB(SD card) device while playing media in USB(SD card) mode may result in USB(SD card) device damage or improper operation. When disconnecting the USB(SD card) device, first turn the system off or change the mode to a different mode.
10. The amount of time required to recognise the external USB(SD card) device may differ depending on the type, size, or file formats stored on the USB (SD card). Such differences in required time do not indicate a malfunction.
11. Using USB(SD card) devices for purposes other than playing music or image files is prohibited.
12. Do not use the USB(SD card) cable to charge batteries or USB(SD card) accessories(Electronic cigarette) that generate heat. Such acts may lead to worsened performance or cause system damage and noise.
13. The device may not recognise the USB(SD card) device if separately purchased USB(SD card) hubs and extension cables are being used. Connect the USB(SD card) directly with the multimedia terminal of the vehicle.
14. When using mass storage USB(SD card) devices, there are cases when the logical drives are separated for user convenience. In such a case, only files within the logical drive of the root directory will be played. When using a USB(SD card) with separate partitions (logical drives), save files you wish to play within the root directory. When application programs are installed to specific USB(SD card)s, the files within such USB(SD card)s may not play properly for reasons described above.
15. The device may not operate properly if MP3 players, mobile phones, digital cameras or other electronic devices (USB(SD card) devices not recognised as portable disk drives) are connected with the device.
16. Charging through the USB(SD card) may not work for some mobile devices.
17. Normal operation is warranted for only metal cover type USB(SD card) memory devices.
18. The device may not operate properly when using formats such as HDD Type, CF, or SD Memory.
19. USB(SD card) memory sticks used by connecting an adapter, including SD Type USB(SD card) memory sticks and CF Type USB(SD card) memory sticks, may not be properly recognized.
20. Media files may not be played if an application is installed on the USB(SD card) storage device.
21. The following files cannot be played.
    - Modified files (Files whose format has changed.)
    - Variant files
    - Files with DRM (Digital Rights Management) applied
    - Files without indexes
22. Problems caused by the use of USB storage devices not listed in the following table are not covered by the warranty.

Manufacturer	Model Name
Samsung	MUF-BA
Sandisk	Ultra Flair CZ73
ESSENCORE	KLEVV NEO C30
HP	HP X785W
Mach Extreme	MX-LX

Music Mode

The feature will not operate unless there is at least one music file in the USB device. (The feature will not operate if there is no media file in the USB device)
- D3 Tags: ID3V1.0 – ID3V2.4
- Detailed Specifications : The maximum length of file name is 255Bytes.
- Up to 100 songs of media files can be stored.
- Extension : MP3, M4A, APE, OGG, WMA, FLAC, WAV
- Sampling Frequency : 32KHz, 44.1KHz, 48KHz
- Bit Rate : 32Kbps~320Kbps
- Caution : This device supports audio files using 320Kbps bit rate range and the use of files in 192kbps bit rate range is recommended. When using files without fixed bit rates, some features (FF/REW features) may not properly operate.

Video Mode

The feature will not operate unless there is at least one video file in the USB device. (The feature will not operate if are no media files in the USB device)
- The default Media mode is USB Music.
- Video Codec : MPEG1/2, MPEG4(VXID), H.263, H.264, WMV9(VC-1), AVS, VP8, MVC, DivX3.11, DivX4, DivX5, DivX6
- Extensions : MP4, MOV, 3GP, AVI, ASF, MKV, FLV, MPG, MPEG, TS, WMV
- Image Resolution: D1 720X480(729X590), HD 1280X720P(1289X729)
- Subtitles : SMI
- Caution : High resolution files using bit rates over 2Mbps may not operate properly.

Image Mode

The feature will not operate unless there is at least one image file in the USB device. (The feature will not operate if there is no media file in the USB device)
- When changing from Music mode to Image mode, the playing Music sound will continue to be played.
- When changing from Video mode to Image mode, the playing Video sound will continue to be played.
- Playable Format (BMP): Displays up to 24bit/5 million pixels.
- Playable Format (JPG, JPEG): Displays up to 12 million pixels, and Motion JPG (JPEG) is not supported.
- Playable Format (GIF): Displays up to 12 million pixels.
- Playable Format (PNG): Displays up to 12 million pixels.

English

Product Specifications

Common			Video	Supported Files	MP4, MOV, 3GP, AVI, ASF, MKV, FLV, MPG, MPEG, TS, WMV
	Name	Car TFT LCD Display UNIT			
	Power Supply	DC 14.4V		Codec	MPEG1/2, MPEG4(VXID), H.263, H.264, WMV9(VC-1), AVS, VP8, MVC, DivX3.11, DivX4, DivX5, DivX6
	Operating Power	DC 9V ~ DC 16V		Subtitle Support/ Resolution	SMI / D1 720X480(729X590), HD 1280X720P(1289X729)
	Current Consumption	2A	Audio	Supported Files	MP3, M4A, APE, OGG, WMA, FLAC, WAV
	Sleep Current	3mA(Head Unit Only)		Bit Rate	32Kbps ~ 320 Kbps
	Operating Temperature	-30℃ ~ +75℃		Sampling Frequency	32KHz, 44.1KHz, 48KHz
	Storage Temperature	-40℃ ~ +85℃	Photo	File Format	JPEG, JPG, BMP, PNG, GIF
	Dimensions	278.4(W) x 175.5(H) x 191.5(D)	Bluetooth	Compatibility	BLUETOOTH V4.1
	Weight	SA: 2.25 Kg		Frequency Bandwidth	2402 ~ 2480MHz
Display	Screen Size	SA: 174 mm (W) x 104.4 (H) mm		Supported Profiles	A2DP, AVCP, HFP, PBAP
	Number of Pixel	16.7 M		Transmission Output	3.0 dBm
	Operating Method	TFT, In Plane Switching (IPS), active matrix		Modulation Type	FHSS(GFSK)
	Backlight	LED		Channel	79
Radio	Frequency Range	FM : 87.5~108.0MHz (Step : 100kHz) AM : 522~1620 kHz (Step:9kHz)	Certification		
	Sensitivity	FM: 10dBuV, AM: 40dBuV EMF			
Storage Device	SD	1 slot			
	USB	2 port (1 for read / 1 for charge)			
	Format	FAT 16/32			

CE Bluetooth® E11 DivX HD

DOLBY AUDIO™ RoHS EHC

Hereby, Digen Co., Ltd. Declares that the radio equipment type [J100] is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of confirmity is available at the following internet address : http://www.digen.co.kr
A copy of the DoC in the original language is enclosed with the equipment.

What is Apple CarPlay?

1. By connecting your iPhone with the system, you can conveniently use various features, including Phone, Navigation, Messages, Music, and Siri.
2. Available functions and operations may differ depending on the iPhone model.
3. Apple CarPlay may not be available in your country or region. (http://www.apple.com/ios/feature-availability/#applecarplay-applecarplay)

Before Using Apple CarPlay

1. Before connecting your mobile phone, check whether Apple CarPlay is set to be used in Setting → General → Restrictions.
2. Before connecting your mobile phone, check whether Siri is set to be used in Setting → General → Siri.
3. Apple CarPlay works with iPhone 5 or higher.
4. Apple CarPlay works with iOS 7.1 but the most recent version is recommended.
5. It is not possible to use oncar, iPod and Apple CarPlay at the same time.
6. The use of genuine iPhone cables supplied by Apple is recommended.
7. Upon connecting and entering Apple CarPlay, the sound of the previous mode is maintained. Only the screen will be converted.
8. It is not possible to use Apple CarPlay and Bluetooth Audio at the same time.
9. Most features of Apple CarPlay require data usage. Before using Apple CarPlay, make sure that your phone is on a data plan.
10. Upon connecting Apple CarPlay, voice recognition operates based on Siri. The vehicle voice recognition feature will not operate.
11. For more information, refer to the Apple website (http://www.apple. com/uk/ios/carplay/)

Before Using Android Auto

1. Download the Android Auto app to your Android phone with Android 5.0 Lollipop or higher.
2. The use of genuine Android phone cables is recommended.
3. Upon connecting Android Auto, Bluetooth will be automatically connected.
   - Upon exceeding the max. number of registered devices, a device that had not been recently connected will be deleted.
4. Bluetooth Music is not connected.
5. It is not possible to use iPod, Apple CarPlay and Android Auto at the same time.
6. Android Auto may not be available in your country or region. Please refer to the site: (http://www.android.com/auto/#what-you-need)
7. Upon connecting and entering Android Auto, the sound of the previous mode is maintained. Only the screen will be converted.
8. Most features of Android Auto require data usage. Before using Apple CarPlay, make sure that your phone is on a data plan.
9. For details about Android Auto, Please refer to the Google support site : (http://support.google.com/androidauto)
10. Android Auto supports the use of instrument cluster as a secondary display.

English

Hereby, [DIGEN] declares that the radio equipment type [DGU-9T45-J100SA] is in compliance with RED(2014/53/EU), RER 2017(SI 2017/1206).

The full text of the EU declaration of conformity is available at the following internet address: http://www.idigen.com
 A copy of the DoC in the original language is enclosed with the equipment

This radio equipment has been constructed so that it can operate in at least one Member State.

There are no restrictions of use.

BE	BG	CZ
DK	DE	EE
IE	EL	ES
FR	HR	IT
CY	LV	LT
LU	HU	NL
AT	UK	PT

CE

DIGEN CO., LTD.

89, Seongseo4chacheomdan-ro, Dalseo-gu, Daegu, 704-801, Korea

FCC Information to User

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 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.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : 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

IMPORTANT NOTE:

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.