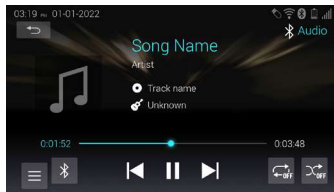


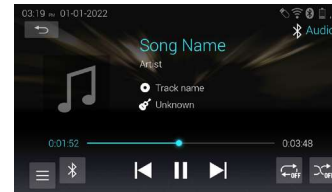
3 Playing a Bluetooth® Audio Player



- The title of the track and album currently being played will be displayed.
- Some titles and controls may not be displayed depending on the type of Bluetooth® portable audio player.

Status	Meaning
	Touch to pause the track.
	Touch to resume playing the track.
	Touch to select a song on the file list screen. (Only songs on device are available. If you use BT audio from online music applications, they are not available to use).
	Touch to play the track.
	<ul style="list-style-type: none"> - Touch to go to the next track. - Playback starts when the button is released.

● Status Display



Indicates the status of the Bluetooth® connection.

Indicator	Name	Function
	BT signal strength	Display BT-HF (Bluetooth®-Handsfree) signal strength of connected phone
	Call prohibition	Display BT-HF (Bluetooth®-Handsfree) call function prohibition status
	Battery capacity mark	Battery capacity of connected BT-HF (Bluetooth®-Handsfree) phone
	BT mark	Display Bluetooth® connection icon

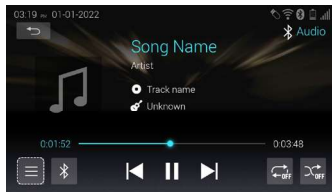


Notes

An antenna for the Bluetooth® connection is built into the display. The condition of the Bluetooth® connection may not be good and the system may not function when you use a portable audio player in the following conditions.

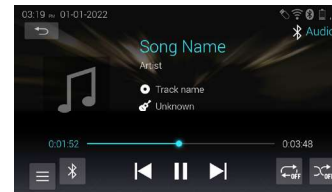
- Your portable audio player is hidden from the display (behind the seat or in the glove box or console box).
- Your portable audio player touches or is covered with metal.

● Selecting a Track



- (1) Touch on the Bluetooth® operation screen.
- (2) Select a file to play back from the category list.
 - Touch the desired category.
 1. All tracks – Displays all files stored in the smartphone
 2. Genres – Displays files sorted by genre
 3. Artists – Displays files sorted by artist name.
 4. Album – Displays files sorted by album name.
 5. Folders – Displays folders.



● Repeat and Shuffle



<Repeat Mode>

Repeats playback of the current track.



- The repeat mode changes as follows each time the screen switch is touched.

Switch	Name	Function
	Repeat 1 File	Repeats the current file only.
	Repeat List	Repeats all the files in the current list.

<Shuffle Mode>

Tracks are selected by the unit at random for playback.

- The random mode changes as follows each time the screen switch is touched.

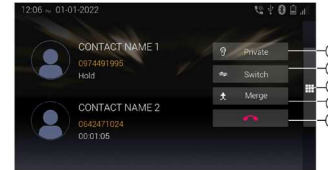
Switch	Name	Function
	Shuffle OFF	Disables random playback and plays normally.
	Shuffle ON	Plays back files in random order within the selected repeat play range.

Phone (Hands-Free System)

1 Display the Hands-Free Phoning Screen

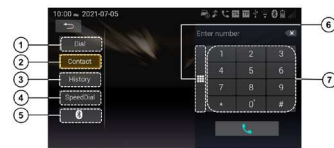


- (1) Touch **Menu** on the home screen
- (2) Touch **Phone** on the menu screen



- (10) Places the current line on hold in order to talk with the party on another line.
 - When you have an active call and a call on hold, you can switch between the two calls.
 - This function is not available if your mobile phone or the carrier you are using do not support the function.

● Hands-Free Phoning



- (1) Displays the dial screen where phone numbers can be entered directly.
- (2) Displays the contact list.
- (3) Displays the history list.
- (4) Displays the speed dial screen.
- (5) Displays the Bluetooth® Settings screen.

● During a Call



- (6) Closes or displays the dial pad.
- (7) Used to enter a phone number to call.
- (8) Switches between private mode (talking directly through the phone) and hands-free phoning.
 - Private mode can only be operated while you are talking on the phone.
- (9) Ends the call.

- (11) Starts a conference call.
 - When you have an active call and a call on hold, you can join the two calls into a conference call.
 - This function is not available if your mobile phone or the carrier you are using do not support the function.

The Bluetooth® hands-free system allows you to make or receive a call without operating the cellular phone directly. This system supports Bluetooth®. Bluetooth® is a wireless data system by which you can call without your cellular phone being connected with a cable or placed on a cradle. The operating procedure of the system is explained in this section.

- For registering and setting of the phone, see “Connecting a Bluetooth® Device” (➔ Page 23).



Notes

- If your cellular phone does not support Bluetooth®, this system will not function.
- Depending on the cellular phone model, some functions may be restricted.
- In the following conditions, the system may not function.
 - The cellular phone is turned off.
 - The current position is outside the communication area.
 - The cellular phone is not connected.
 - The cellular phone has a low battery.
 - When outgoing is controlled, due to heavy traffic on telephone lines, etc.
 - When the cellular phone itself cannot be used.
 - When transferring phonebook data from the cellular phone.
- Even if your cellular phone supports both hands-free and audio Bluetooth® connections, it may not be able to connect to hands-free and Bluetooth® at the same time.
- When using Bluetooth® audio and hands-free at the same time, the following problems may occur.
 - The Bluetooth® connection may be cut.
 - Noise may be heard during Bluetooth® audio playback.
- The phone battery will burn out quickly when it is connected to Bluetooth®.



Caution

- Use a cellular phone or connect a phone via Bluetooth® only when safe and legal to do so.
 - Do not leave your cellular phone in the car. The temperature inside may be high and damage the phone.
 - If the phone connected via Bluetooth® is too close to the system, quality of the sound may deteriorate and connection strength may go down.
-
- This system supports the following service.
 - Bluetooth® Specification Ver. 5.0
 - Profile
 - HFP (Hands Free Profile) Ver. 1.0 or higher (Recommended: Ver 1.7)
This is a profile to allow hands-free phone calls using the cellular phone or headset. It has an outgoing and incoming call function.
 - PBAP (Phone Book Access Profile) Ver. 1.0 or higher
This is a profile to transfer phonebook data.
 - If your cellular phone does not support HFP, you cannot register the Bluetooth® phone, and take PBAP service individually.
 - You can use a microphone when talking on the phone.



Notes

- The other party's voice outputs from the front speaker. The audio from the audio system is muted when a call is output.
- Talk alternately with the other party on the phone. If you talk at the same time, your voices may not reach each other. (It is not a malfunction.)
- Keep the volume of received call down. Otherwise, it may echo and be heard outside of the vehicle. When you talk on the phone, speak clearly towards the microphone.
- In the following situations, your voice may not reach the other party.
 - Driving on an unpaved road. (Due to traffic noise.)
 - Driving at high speed.
 - A window is open.
 - The sound of the air-conditioning fan is loud.
 - There is interference from the cellular phone network.

1 About the Phonebook in the System

The following data is stored for every registered phone. When another phone is connecting, you cannot read the registered data.

- Phonebook data
- Call history data
- Speed dial data



Note

When you delete the phone, the above-mentioned data is also deleted.

2 When You Release Your Car

A lot of personal data is registered when you use the hands-free system. When you release your car, initialize your data.

You can initialize the following data in the system.

- Phonebook data
- Call history data
- Speed dial data
- Bluetooth® phone data
- Volume settings
- Details settings




Note

Be careful when initializing data. Once initialized, the former settings and data cannot be recovered.

3 Phone Status Display



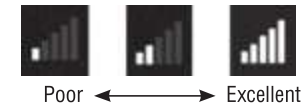
- (1) Indicates the condition of the Bluetooth® connection.
 Connected: Displayed
Not connected: Not displayed

- (2) Indicates the amount of battery charge left.



- This is not displayed when a phone is not connected.
- Depending on the type of phone, remaining battery charge may not be displayed.
- The amount left may not always correspond to that of the phone. This system does not have a charging function.

- (3) Indicates the level of reception.



- The level of reception does not always correspond with that of your cellular phone.
- The level of reception may not be displayed depending on the phone you have.
- When you are out of the service area or in a place inaccessible by radio waves, "No Service" is displayed.

Notes

- An antenna for the Bluetooth® connection is built into the display.
- The condition of the Bluetooth® connection may not be good and the system may not function when you use a phone in the following conditions.
- Your phone is hidden from the display (behind the seat or in the glove box or console box).
- Your phone touches or is covered with metal materials.
- Leave the phone in a position where the Bluetooth® sensitivity is good.

1 Selecting and Adding Bluetooth® Devices

If you have registered some Bluetooth® devices, you can change the device connected or add a new device.

● Selecting Bluetooth® Devices



(1) Touch **Phone** on the menu screen.



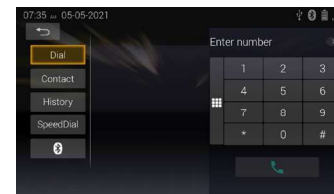
(2) Touch **Bluetooth**.

(3) Touch the **Bluetooth** device that you wish to connect.



(4) Press “Select Profile” to activate and then **OK**.

● Adding Bluetooth® Devices



(1) Touch **Phone** on the menu screen.

(2) Touch **Bluetooth**.



(3) Touch **Bluetooth** again to go to add device (➡ Page 23).



Note

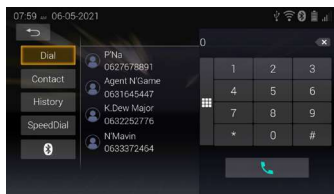
If you connect a phone while Bluetooth® audio is playing, the Bluetooth® audio will stop temporarily. It may take time, the phone connection is carried out during Bluetooth® audio play. The audio may be skipped.


Making Phone Calls via Bluetooth®

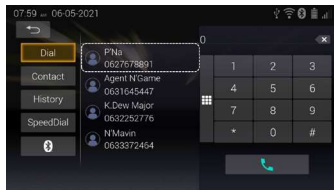
After you register a phone, you can make calls by using the Bluetooth® hands-free system.

1 Making a Call by Entering a Phone Number (Dial)

You can call by inputting the telephone number.

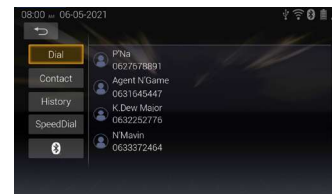


- (1) Touch the number keys to enter phone number. (0-9, *, #, +)
 - Up to 32 digits can be entered.
 - If the phone numbers including the entered numbers exist in the contact list, the phone numbers are listed on the left side of the dial pad.
 - For the first digit can entering “+” by touching “0” for a while.
 - Touch  to delete the entered number.



- (2) Touch the phone number to call in the list if available, or touch the following key to start dialing.

● When the Dial Pad Keys Are Not Displayed



Touch the following key to display the dial pad keys and to hide the dial keys, touch the key again.



Note

The law is clear on when you can use a hand-held device behind the wheel. It is only legal if you are safely parked and this does not include waiting in traffic or when stopped at a traffic light.

2 Calling a Phone Number in the Contact List (Phonebook)


You can make a call using phonebook data that was transferred from your cellular phone. The system has one phonebook for each phone. You can register up to 1000 contacts in each phonebook.

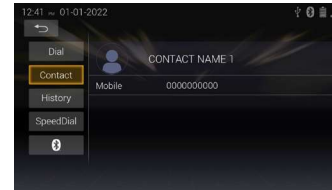


(1) Touch **Contact**.



(2) Touch the desired name in the list. The detailed phone number list of the selected entry is displayed.

- You can sort contact entries by touching a letter on the sorting bar displayed on the right-hand side of the screen.
- You can switch the sorting bar between any language you have selected for the keyboard in system settings by touching .



(3) Touch the contact you want to call. Dialing starts when you touch the phone number of the contact.

- If you touch and hold a phone number in the list, the phone number can be registered to the speed dial list.

● Searching for a Phone Number by Keyword

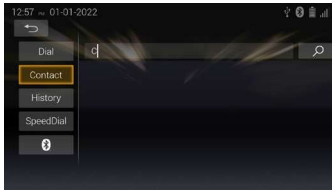
You can search for a phone number registered in the contact list by contact name.



(1) Touch **Contact**.



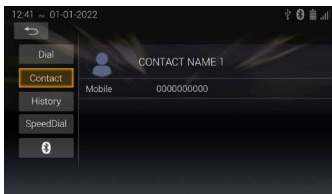
(2) Touch **Search**. The keyboard is displayed so you can enter a keyword.



- (3) Names from your contact list that include the keyword you entered are displayed.



- (4) Touch the contact you want to call. Dialing starts when you touch the phone number of the contact.
- If you touch and hold a phone number in the list, the phone number can be registered to the speed dial list.



Note

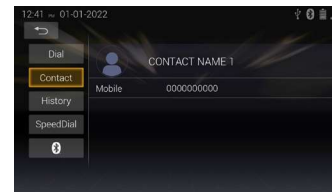
If "Auto Phonebook Transfer" is set to "On", the contact list on the phone will be automatically transferred to this product when the phone is connected. If the contact list is not transferred automatically, use the phone menu to transfer the contact list. (▶ Page 25)

3 Dialing From Call History

The most recent calls (dialed, received and missed) are listed in the call history. You can make a call by selecting a phone number from the call history list. (Up to the 100 most recent calls are saved in the history.)



- (1) Touch **History**. Recent calls are listed in the descending order by date and time.
- You can sort the list by touching the call type keys displayed on the top of the screen.
 - If display of the call history has failed or is not complete, touch **Update** to refresh the history list.



- (2) Touch the contact you want to call. Dialing starts when you touch the phone number of the contact.
- If you touch and hold a phone number in the list, the phone number can be registered to the speed dial list.

You can make a call using your call history, which has four categories as shown below. (The last 5 entries of each category as shown.)

Tab	Name	Detail
All	All	Calls that you missed, made and received
Missed	Missed	Calls that you missed
Outgoing	Outgoing	Calls that you made
Incoming	Incoming	Calls that you received

4 Dialing From the Speed Dial List

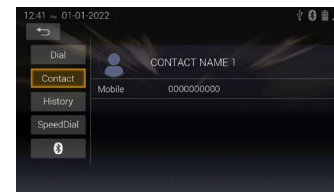
You can make calls using registered telephone numbers selected from your phonebook.

● Registering a Phone Number

You can register up to nine phone numbers to the speed dial list.



(1) Select the phone number to be registered to the speed dial list from the contact or history screens.



(2) Touch and hold the phone number. The add to speed dial screen is shown.



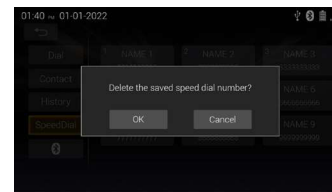
- (3) Touch the key to register the phone number to.
- If a phone number has not been registered to the selected key, the phone number is registered to the selected key.
 - If a phone number has been registered to the selected key, a confirmation message is shown. Touch **OK**.

● Deleting Phone Numbers From the Speed Dial List



- (1) Touch **Speed Dial**. The Speed Dial screen is shown.

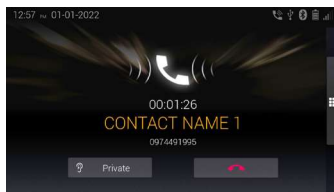
- (2) Touch and hold the phone number to be deleted from the speed dial list. After the confirmation message is shown, touch **OK**.



● Dialing From the Speed Dial List



- (1) Touch **Speed Dial**. The Speed Dial screen is shown.



- (2) Touch the phone number you want to call to start dialing.

Receiving Phone Calls via Bluetooth®

When a call is received, this screen is displayed and a sound plays.

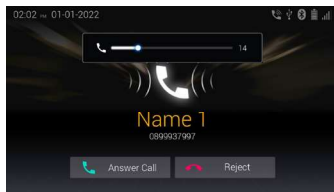


To answer the call:

Touch .

To reject the call:

Touch .



To adjust the volume of the call:

Touch "+" or "-" buttons on the display.
The volume bar is shown on the screen.



Notes

- On international phone calls, the other party's name may not be displayed correctly depending on your cellular phone.
- If video from a mobile phone was being displayed, the display may remain the same.

Talking on the Phone via Bluetooth®

While you are talking on the phone, this screen is displayed. The following operations can be performed on the screen.



(1) To input the number.
Touch the button marked ① in the image to the left to display the dial pad keys. To hide the dial pad keys, touch the key again (0-9).

(2) Touch **Private** to change to private hands-free or touch **Speaker** to change to speaker mode.

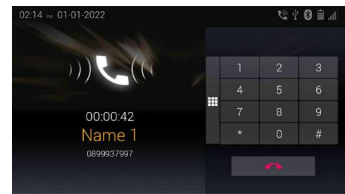


(3) To hang up the phone, touch

Notes

- When you change a call to hands-free, the hands-free screen is displayed and operations can be performed on the screen.
- If video from a mobile phone was being displayed, the display may remain the same.

● Using the Numerical Keyboard



Enter a number by touching the number keys.

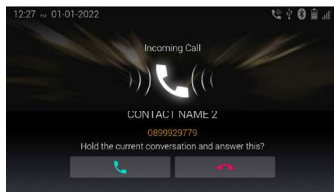
To hang up the phone:
Touch .

Note

- You can use the numerical keyboard when you answer a call and if you need to input a number during an automatic machine call. You can also use it to register a phone number or a code number in the phonebook.

1 Interrupted Calls

When the call is interrupted by a third party, this screen is displayed.



To answer the call:

Touch .

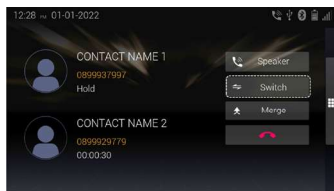
To reject the call:

Touch .



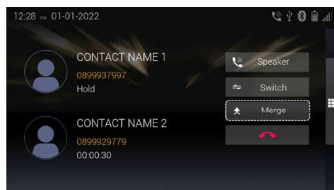
Notes

- Operations for interrupted calls may differ depending on your phone company or cellular phone.
- Interrupted call operations may be unavailable depending on contract details with the phone company.




To switch to the other party:

Touch  to switch between calls.



To merge calls to a group call:

Touch  while there are multiple calls to merge them into a group call.

Miracast

Miracast functions enable Android smartphones to stream content (video, music, etc.) to this device over WiFi. Miracast may be called Screen Mirroring, Smart View, All Share Cast, etc., depending on the smartphone manufacturer.

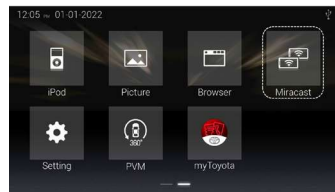


Caution

- Do not connect a smartphone or operate the device controls while driving.
- Do not leave the smartphone in the car. In particular, high temperatures inside the vehicle may damage the smartphone.

1 Establishing a Connection With a Miracast Device

● Connecting a Miracast Device



(1) Touch **Menu** on the home screen.

(2) Touch **Miracast** on the menu screen.

- For details, refer to the WiFi Settings screen on (➔ Page 72).
- The default device name of this product is "CAR MULTIMEDIA".

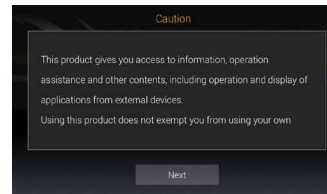
(3) Select connection type.

- **HU to MD**
Connect car audio to a Miracast-compatible device.
- **MD to HU**
Connect a Miracast-compatible device to car audio.



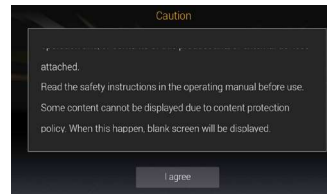
(4) Touch **OK** on the connection invitation screen.

- The connecting process starts. If the connection with the Miracast-compatible device is established, a caution message appears.



(5) Read the terms carefully, checking the details, and then touch **Next** and **I agree** if you agree to the conditions.

- The screen of the connected device is displayed on the screen of this product.
- If the connected mobile device supports UIBC (User Input Back Channel), touch panel operations such as zooming in and out, rotating, and dragging may be available.



Notes

- For safety while driving, this screen will not be displayed (audio only).
- Some content cannot be displayed due to content protection policy. If this happens, a blank screen is displayed.
- This function depends on the compatibility of the device, its OS, and version. Performance may differ and cannot be guaranteed. See the latest compatibility information on the website: http://microsite.panasonic.co.th/smartphone/22model/compatible_models.html