TN0047A

Operation Manual

Model name	Car Audio
Model No	TN0047A

Index Page

1-Rating 2P
2-Button Function Spec 3P
3-Radio operation procedure 4P
4-Operating manual (Bluetooth/Handsfree) 5P
5-Operating manual (Wi-Fi/Carplay) 6P
6-FCC Operating manual Requirement 7P

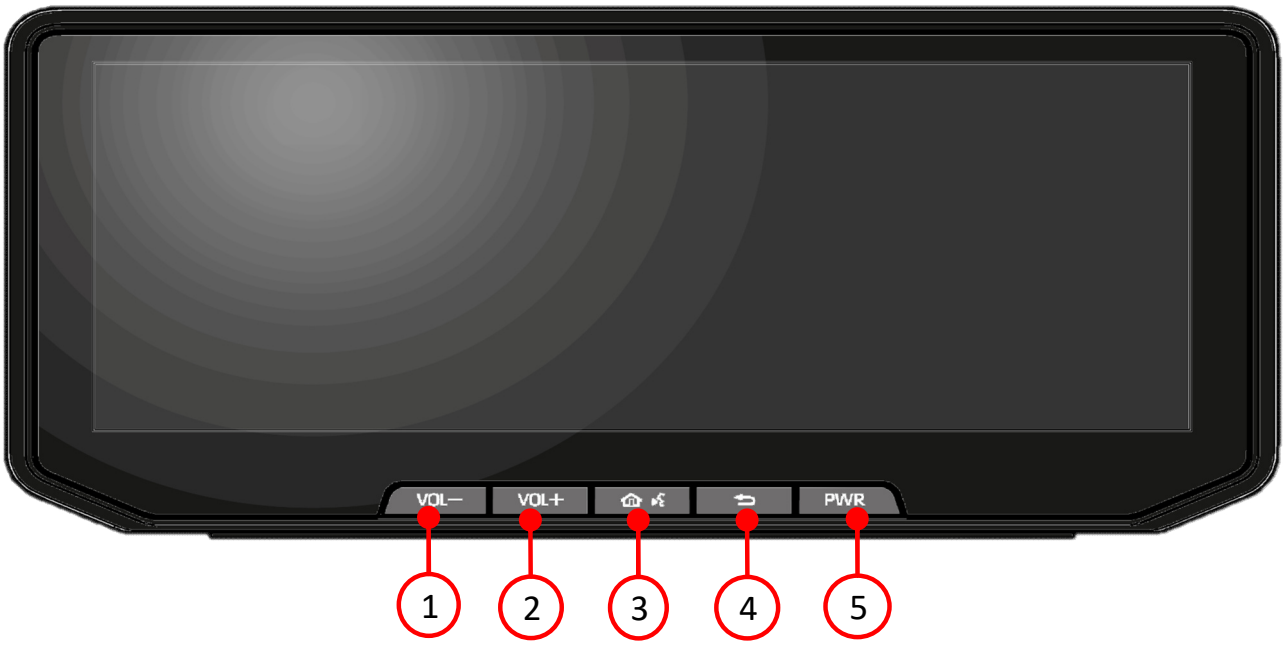
DENSO TEN CONFIDENTIAL

1-Rating

RATED VOLTAGE	13.2V (10.5～16.0V) - ground
LOAD IMPEDANCE	10kΩ and over
BACK UP CURRENT	2.1mA or less
RATED CURRENT	6.2A or less (Vcc=13.2V)
AM TUNING RANGE	531 - 1602kHz (9kHz step)
FM TUNING RANGE	87.5 - 108 MHz (50kHz step)
DAB TUNING RANGE	174.928-239.200 MHz

DENSO TEN CONFIDENTIAL

2-Button Function Spec



■AUDIO controls

Button No.	Button Name	Operation
①	VOL DOWN	Short Push: Decrease Volume Down 1 step Long Push: Decrease Volume Down continuously
②	VOL UP	Short Push: Increase Volume Up 1 step Long Push: Increase Volume Up continuously
③	HOME/TALK	Short Push: Transition to home screen Long Push: AA/CP voice recognition
④	BACK	Transition to previous screen
⑤	POWER	Audio ON/OFF

DENSO TEN CONFIDENTIAL

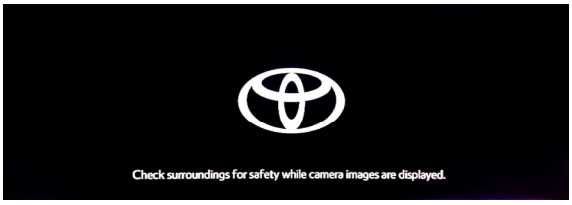
3-Radio operation procedure

【操作手順】[Operation procedure]

①起動 (ACC-ON)

ACC-ON後、TOYOTA画面が表示された事を確認。

After the ACC-ON, confirm that Toyota screen is displayed.



②数秒後に"CAUTION"画面に遷移します。

The screen is changed to "CAUTION" screen after a few seconds.

③数秒後に"Continue"ボタンを押して、MENU画面に遷移させます。

Press the "Continue" button on the face panel after a few seconds to move MENU screen.

Menu Screen Display

④POWERボタンを押す。

画面内のラジオモードウィンドウを押すと、"FM1 "画面に遷移します。

Press the POWER button. PWR

When the Radio Mode Window on the screen is pressed,"FM1" screen is displayed.

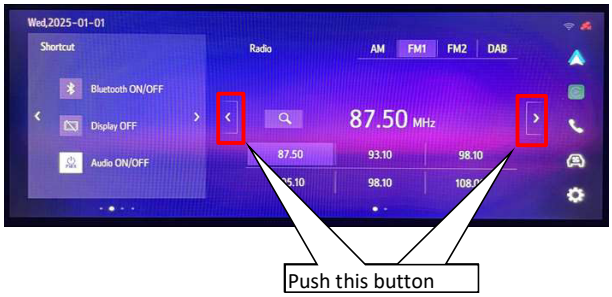
⑤下記画面に遷移したら、"<"釦 若しくは、">"釦を押下してください。

これで、SEEKが始まります。

Confirm that the screen is changed as below,

Please push down the "<"button or ">"button.

This will start to SEEK.



※AM/DABモードも同様の手順です。

※Same as AM/DAB mode.

DENSO TEN CONFIDENTIAL

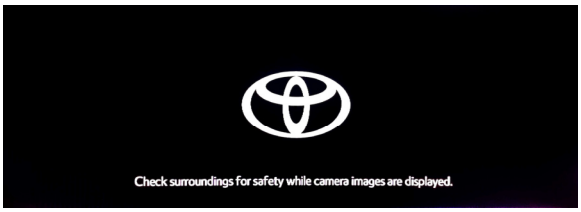
4-Operating manual (Bluetooth/Handsfree)

【操作手順】[Operation procedure]

①起動 (ACC-ON)

ACC-ON後、TOYOTA画が表示された事を確認。

After the ACC-ON, confirm that Toyota screen is displayed.

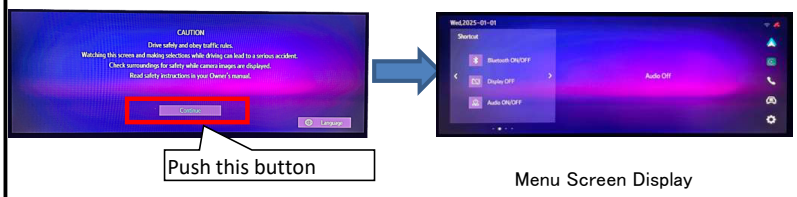


②数秒後に"CAUTION"画面に遷移します。

The screen is changed to "CAUTION" screen after a few seconds.

③数秒後に"Continue"ボタンを押して、MENU画面に遷移させます。

Press the "Continue" button on the face panel after a few seconds to move MENU screen.

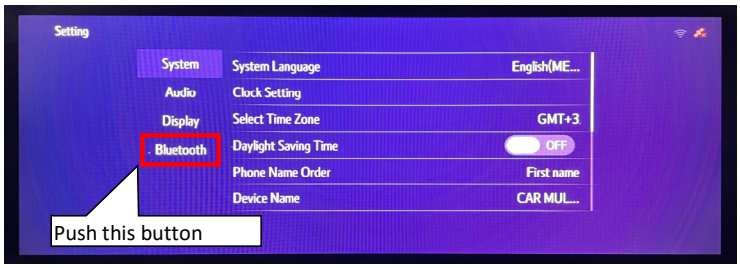


④"Setting"ボタンを押して、SETTINGS画面に遷移させます。

Please press the "Setting" button on the face panel to move to Settings screen

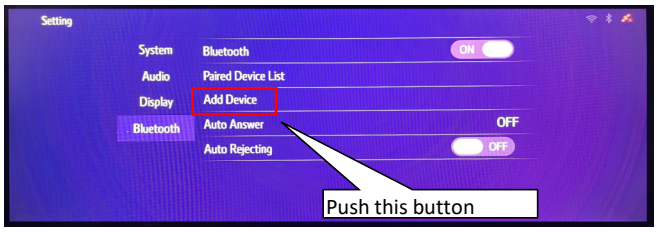
⑤"Settings"画面に遷移することを確認し、画面上の"Bluetooth"釦を選択。

Confirm if "Settings" screen is displayed, select the "Bluetooth" button on the display.



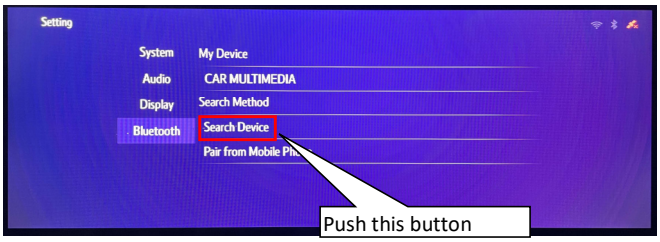
⑥画面の"Add Device"釦を押下してください。

Please press the "Add Device" button of the screen



⑦画面の"Search Device"釦を押下してください。

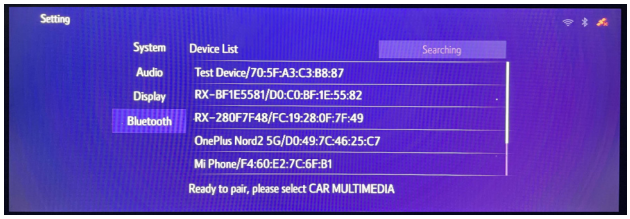
Please press the "Search Device" button of the screen



⑧下記画面に遷移したらBluetooth端末(iPhone、iPodなど)をペアリングモードに設定してください。

Confirm if screen is changed as below,

Please set iPhone or iPod in pairing mode.

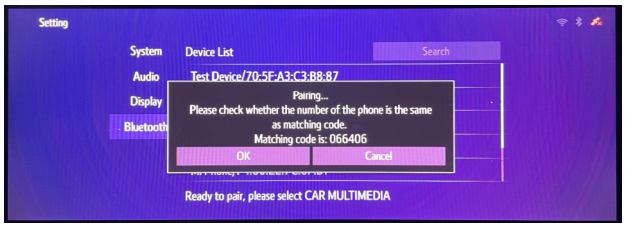


※Displays when you have more than one pairing equipment

※複数のペアリング機器がある場合の表示

⑨接続したiPhone又はiPodを選択します。

Select the iPhone or iPod to connect.

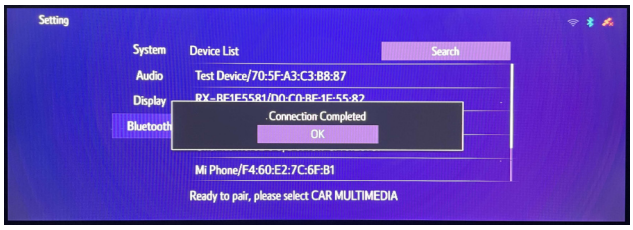


※ 電話機の表示にしたがって操作してください

※ Operate the phone after the message on the screen

⑩完了すれば"Connection Completed"の画面になります。

"Connection Completed" is displayed if completed.



DENSO TEN CONFIDENTIAL

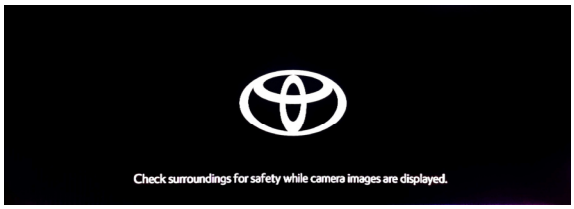
5-Operating manual (Wi-Fi/Carplay)

【操作手順】[Operation procedure]

①起動 (ACC-ON)

ACC-ON後、TOYOTA画が表示された事を確認。

After the ACC-ON, confirm that Toyota screen is displayed.

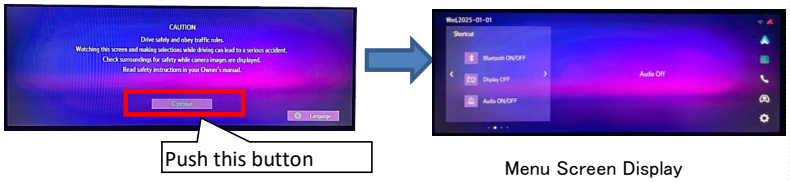


②数秒後に"CAUTION"画面に遷移します。

The screen is changed to "CAUTION" screen after a few seconds.

③数秒後に"Continue"ボタンを押して、MENU画面に遷移させます。

Press the "Continue" button on the face panel after a few seconds to move MENU screen.

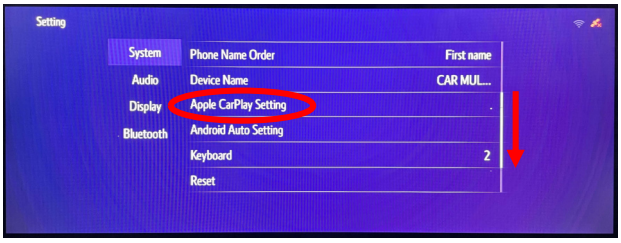


④"Setting"ボタンを押して、SETTINGS画面に遷移させます。

Please press the "Setting" button on the face panel to move to Settings screen

⑤"Settings"画面に遷移することを確認し、下にスライドし画面上の"Seach Apple CarPlay Setting"釦を選択。

Confirm that the screen will change to the "Settings" screen, slide it down and select the "Seach Apple CarPlay Setting" button on the screen.

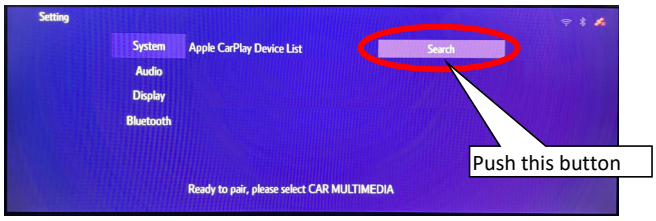


⑥画面の"Search"釦を押下してください。

（この時接続させるiPhoneでBluetooth ONにしておく）

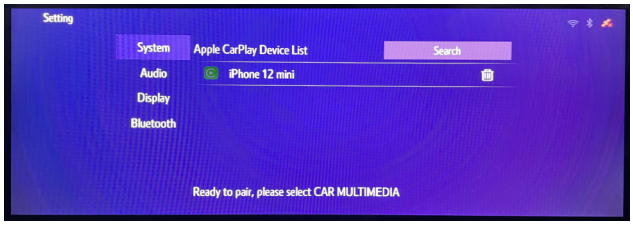
Please press the "Search" button of the screen

At this time, turn on Bluetooth on the iPhone to be connected.



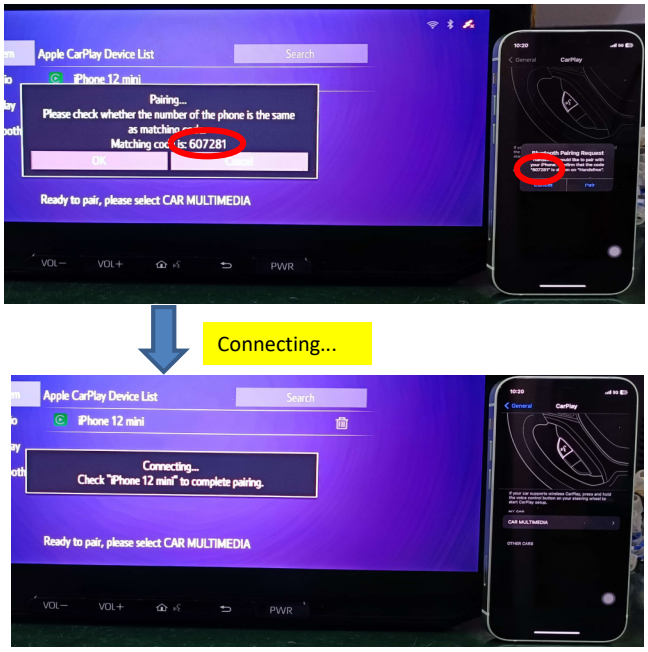
⑦接続したiPhoneを選択する

Please Select the connected iPhone.



⑧下記のような表示になれば、製品側は[OK]ボタンを押しiPhone側は[ペアリング]を押す。

If the display looks like the one below, press the [OK] button on the product side and press [Pairing] on the iPhone side.



⑨自動でCarPlay画面に遷移すれば接続完了

Connection is completed when the screen automatically transitions to the CarPlay screen.

DENSO TEN CONFIDENTIAL

6-FCC Operating manual Requirement

Co-location: This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

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.

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

CAUTION: Radio Frequency Radiation Exposure
This equipment complies with FCC radiation exposure limits set forth for uncontrolled equipment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body.

DENSO TEN CONFIDENTIAL