Tiny Audio C12

Operating your In-Car DAB+ Digital

Safety Instructions

- **Do not expose this radio to rain or moisture.**

- **Obey local traffic laws**

- **Clean with a dry cloth.**

- **Do not block any ventilation openings.**

- **Do not use near heater vents.**

- **Use accessories provided by manufacturer.**

- **Do not leave your radio where excessive heat could cause damage.**

Controls:

1. Rotary Encoder and Confirmation Button

2. Preset 4

3. Preset Buttons

4. Preset 3

5. Preset 1

6. Mode Buttons

7. Preset 2

8. Power Supply Socket

9. DAB Antenna Connector

10. FM Antenna IN

11. FM Antenna OUT

12. MIC In Socket

13. Aux In Socket

14. Line Out Socket

Main Unit and Accessories:

1. Main unit Black Box
2. Active Antenna
3. FM transmission antenna
4. FM Antenna Out Cable
5. Audio Out 3.5mm Cable
6. Metal Holder
7. Control Unit
8. Dash/window mounting bracket
9. Mic input Cable
10. Passive Antenna
11. Power Supply Cable

Radio Receiver:

1. Mount the TINY AUDIO C12 In-Car DAB+ Radio receiver to the   dashboard using the provided adhesive holder

2.   Turn on the power , after the   display panel is connected with the   Host,Use "MODE" button to select DAB+ mode.

3. Press and hold the **"Rotary Encoder"** button to enter menu mode. Select **Auto Scan** ,then all available DAB+ radio channels will be scanned and saved until another "Auto Scan" is performed. During scanning, a scan status will be shown in the display to indicate the progress and the total number of channels received.

4. Once it is scanned, you can select any   DAB+ radio channels by the Tuning Knob.

Selecting Audio Output – FM Transmission
Select FM Transmitting frequency

1.   Press and hold the **"Rotary Encoder"** button

to enter menu mode. Use the Tuning Knob to search for **"Tx FM"** and press **"Rotary Encoder"** button to select. Use the Tuning Knob to select **"Yes"** and exit menu.

2. Press and hold the **"Rotary Encoder"** button to enter menu mode.Use the Tuning Knob to search for **"Tx Freq"** and press **"Rotary Encoder"** button to select.Use the Tuning Knob to select any favourite FM transmission frequency and press **"Rotary Encoder"** button again to confirm and exit menu.

3. The selected favourite FM frequency will be shown at the top of the display, e.g. **87.50**

4. Tune your car FM radio system to match the selected FM frequency for transmission of the audio signal from Tiny Audio C12 to your car stereo audio system.

5. Press and hold the **"Rotary Encoder"** button to enter menu mode. Use the Tuning Knob to search for **"Tx FM"** and press **"Rotary Encoder"** button to select. Use the Tuning Knob to select **"NO"** to close the FM transmission.

Select Fm RDS Transmitting Mode:

1. In DAB+ mode,when playing   station,short
Press the **"Rotary Encoder"** button ,the current
RDS MODE will be changed to display "**Text
information**".

2. In DAB+ mode,when playing   station,short
Press the **"Rotary Encoder"** the current RDS
MODE will be

changed to display "**station name**".

**Remark: In this mode, you don't have to
disconnect the car AM/FM antenna but you need
to use the supplied FM transmission antenna to
insert into the FM out socket of the Tiny Audio
C12 black box to act as FM transmission antenna.
This antenna can be hide inside the glove box
but need to be fully extended.
This mode is only valid in DAB MODE,the RDS
PSN is "DAB MODE",the Radio Text is SN or DLS.
when in BT MODE the RDS PSN is "BT
MODE",and in AUX MODE the RDS PSN is"AUX
MODE",the RDS Text is NULL.**

Selecting Traffic Announcement

1. Press and hold the **"Rotary Encoder"** button to enter menu mode.   Use the Tuning Knob to search for **"Traffic Announcement"** and press **"Rotary Encoder"** button to select .
2. Then Use the Tuning Knob to select **"On"** to turn on the traffic announcement function .
3. To turn off the   traffic announcement function,repeat step 1,and Use the Tuning Knob to select **"Off".**

when traffic announcement function is turned on,if traffic announcement is coming,it will automatically change to traffic station and play,the "SF" display will change to "TA",when the traffic announcement is end,it will automatically return to previous station,the "TA"display will change to "SF" if SF is turned on.

Selecting Service Following

1. Press and hold the **"Rotary Encoder"** button to enter menu mode. Use the Tuning Knob to search for **"Service Follow"** and press **"Rotary Encoder"** button to select.

2. Then Use the Tuning Knob to select **"On"** to turn on the service following function .

3. To turn off the service following function,repeat step 1,and Use the Tuning Knob to select **"Off".**

4. When we turn on the service following function,the screen will show "SF",else the "SF" don't display.

DAB+ Service Information

Relevant service information data broadcast by the DAB+ radio station will be displayed with scrolling text on the OLED display Tiny Audio C12.

While listening to DAB+, the display will show the following if applicable:

1. Channel Name
2. DAB+ Icon
3. Signal Strength

Preset Stations

Storing Preset Stations:
To program and store your favourite DAB+ preset stations:

1. Use Tuning Knob to select your favourite DAB+ stations for Preset

2. Short Press the **Preset** button to enter **Preset View** mode.

3. Use Tuning Knob to select the position to store. Then press and hold **"Rotary Encoder"** to store your favourite preset station.

Fast Storing Preset Stations:

1. Use Tuning Knob to select your favourite DAB+ stations for Preset

2. Press and hold "**1**" button to store your first favourite preset station.

3. Repeat step 1,then Press and hold "**2**" or "**3**" or "**4**" button to store your favourite preset station

Selecting Preset Stations:

To select your favourite DAB+ preset stations:

1. Short press the **Preset** button to enter **Preset View** mode.

2. Use Tuning Knob to select the favourite preset to play.Then Short press **"Rotary Encoder"** to recall your favourite preset DAB+ station.

Fast Selecting Preset Stations:

1. Short press **1** button recall the first preset DAB+ stations.

2. Repeat the same procedure for second, third and fourth preset stations by pressing **2**, **3** and **4** button

Delete Preset Stations:

To delete your favourite DAB+ preset stations:

1. Press and hold the **"Rotary Encoder"** button to enter menu mode.

2. Use Tuning Knob to search for **Delete All Presets** and press **"Rotary Encoder"** button to select.

3. Then use Tuning Knob again to select YES or NO and confirm by pressing **"Rotary Encoder"**.

Select Preset sort:

To select your favourite DAB+ preset sort:

1. Press and hold the **"Rotary Encoder"** button to enter menu mode.

2. Use Tuning Knob to search for **Preset Mode** and press **"Rotary Encoder"** button to select.
3. Then use Tuning Knob again to select **Unsorted** or **Alphabetical** and confirm by pressing **"Rotary Encoder"**.

When we select Alphabetical ,the preset station will be sorted by Alphabetical order.The preset station position will be changed!

Bluetooth Pairing

1. Press the "MODE" button until you scroll the screen to "Bluetooth" mode
2. When under no incoming call, press and hold **PRESET** button to enter pairing mode,then it can pairing with our phone
3. In pairing mode,short press **PRESET** button can cancel the pairing process.
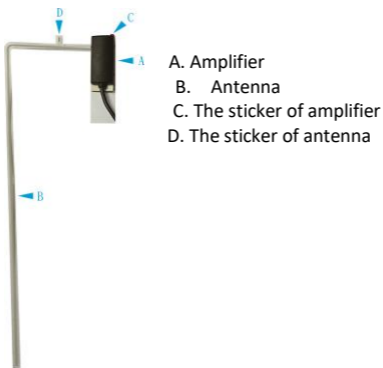
Manage Phone Call:

1. When there is an incoming call, the TINY AUDIO C12 rings with a ringtone, press "PRESET" button to answer a call and talk time will be displayed at the screen.

2. Press and hold "PRESET" button to decline a call

3. To end a call, press "PRESET" button.

Bluetooth ON/OFF Control:

1. Press the "MODE" button until you scroll the screen to "Bluetooth" mode

2. In "Bluetooth" mode and under no incoming call, press and hold "MODE" button to turn On the Bluetooth function.   An "Bluetooth On" will be displayed in the screen and a Bluetooth icon will appear at   the display. Repeat the same procedure to

turn Off the Bluetooth function and an "Bluetooth Off" will be displayed In the screen.
Bluetooth icon will also disappear from the screen.

Antenna installation

A. Amplifier
 B.   Antenna
 C. The sticker of amplifier
D. The sticker of antenna

(1)   Tear off the protection film of the sticker of the
Amplifier.

(2)   Stick the amplifier on the A pillar.

（3）Tear off the protection film of the sticker of the antenna.

（4） Stick the antenna according to the shape of A pillar.(the end of Antenna and the car body should have the gap which is above 20mm.)

（5）**Complete installation.**

Settings

Language Selection

1. Press and hold the **"Rotary Encoder"** button to enter menu mode.

2. Use the Tuning Knob to select *Language* and confirm by pressing **"Rotary Encoder".**

3. Then use Tuning Knob again to select your desired **Language** and confirm by pressing **"Rotary Encoder"**.

Factory Reset

1. Press and hold the **"Rotary Encoder"** to enter menu mode.

2. Use the Tuning Knob to select *Factory Reset* and confirm by pressing **"Rotary Encoder"**.

3. Then use Tuning Knob again to select YES or NO and confirm by pressing **"Rotary Encoder"**.

Software Version

1. Press and hold the **"Rotary Encoder"** button to enter menu mode.

2. Use the Tuning Knob to select *Version* and confirm by pressing **"Rotary Encoder".**

3. You will then be able to check software version of the unit.   Press and hold the **MODE** button to exit the menu.

4. Repeat step 1,Use the Tuning Knob to select *DSP Version or BT Version* to check the DAB version and Bluetooth version.

Backlight setting

1. Press and hold the **"Rotary Encoder"** button to enter menu mode.

2. Use the Tuning Knob to select *Backlight* and confirm by pressing **"Rotary Encoder".**

3. Then use the Tuning Knob to select   the backlight time and confirm by pressing **"Rotary Encoder".**

Technical Specifications

Product Model: Tiny Audio C12

Radio Format   DAB/DAB+

Frequency Ranges DAB Band III 174-240MHz,

FM Transmitter 87.5-108MHz

Power Source   +12V, VCC, GND

DAB Antenna   Passive /Active antenna

Audio Out   3.5mm Stereo Jack

Dimensions   Black box: 69 x 59 x 26 mm
Control Unit: 71 x 54 x 27 mm

Net Weight   Black Box: 97g
Control Unit: 68 g

*Information of this user manual is subject to change

without prior   notice.

Tiny Audio is distributed by TT Micro AS –

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