

A7 Series

Android Car Stereo User Manual

For SKUs below:

Universal Android Head Unit Double-DIN: A7G2B7PKL, A7G2D7PKL

Versatile Android Head Unit Double-DIN: A7G209PKL, A7G211PKL, and A7G225PKL

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Preface

Thank you for choosing ATOTO

As an innovative brand with a decade of dedicated expertise in automotive electronics, ATOTO upholds the core philosophy of **"Different. Better. Trusted"**. We seamlessly integrate professional audio-visual technology and user-friendly interactive features to elevate every journey with refreshing experiences.

- **Different** – We deliver products that stand apart through thoughtful design, innovation, and user-oriented features.
- **Better** – We integrate professional audio-visual technology with intuitive interaction to elevate every journey with superior experiences at an accessible price.
- **Trusted** – Endorsed by millions of users worldwide, ATOTO has earned a reputation for reliable products and responsive service you can count on.

This philosophy guides everything we do—from long-term R&D investment, to continuous product improvement, to prompt customer support. With ATOTO, you can always expect **something different, something better, and above all, something trusted**.

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FCC Compliance Statement

The FCC Compliance Statement is an official declaration by ATOTO to users indicating that the product complies with the radio frequency interference and electromagnetic compatibility (EMC) regulations of the U.S. Federal Communications Commission (FCC). The specific statement is as follows:

This device strictly complies with all provisions of Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- 1.This device must not cause harmful interference;
- 2.This device must accept any interference received, including interference that may cause undesired operation.

Contact ATOTO Customer Support

If you encounter any issues during installation or use, our support team is ready to assist.

Email: support@atotoglobal.com

Chapter 1 Important Information

1.1 About this Manual

To ensure proper use of your new ATOTO Android head unit, please be sure to read this user manual thoroughly and understand its contents fully. Keep it in a safe place for future reference.

If you would like to learn more about the installation tutorial videos and installation guides for the ATOTO A7 Series Android head units, please refer to the dedicated Installation section on our Eproductcare website (www.eproductcare.com). Click on "**Installation**" to enter the installation guide section and view the related content, which can help you quickly install the Android head unit and start using it. You can also scan the QR code provided in the QR Code Manual or directly on the device itself to access online resources using the Web Resources app.

Important Notes

1. This manual is applicable to all ATOTO A7 Series head unit models. Newly released A7 models may have extra functions that are not mentioned.

2. The list of accessories and the back panel may vary slightly depending on the specific model and the region of sale, but the system, UI, and product hardware information remain consistent.
3. The screenshots in this manual may differ slightly from the actual interface of the current A7 Android head unit system, as the system is continuously optimized and enhanced through OTA updates.
4. ATOTO may release new system updates, which may include changes made or newly added functions that are not mentioned here.
5. The information in this manual may be insufficient. If you have any questions or problems concerning your unit that are not covered in this manual, consult customer support.

1.2 Operation Warnings

1.2.1 Important Safety Information to Know Before Use

To ensure your personal safety and prevent hazards such as fire, please strictly observe the following precautions, and immediately take appropriate action if any abnormal product behavior occurs

1.Avoid Short Circuits and Electric Shock

1) Do Not Place Metal Objects

- **Instruction:** Do not place or leave any metal objects, such as coins or metal tools, inside this product.
- **Purpose:** To prevent metal objects from causing a short circuit, which may damage the product.

2) Prevent Liquid Contact

- **Instruction:** Do not allow this product to come into contact with any liquid.
- **Risks:** Liquid contact may cause overheating, smoke, or other abnormal conditions, which can not only damage the product but may also cause electric shock and pose severe risks to personal safety.

3) Emergency Handling Method:

If liquid or foreign objects accidentally enter the interior of this product, do not use the product in this condition. Immediately take the following actions:

- Immediately park the vehicle in a safe location and turn off the ignition switch (ACC OFF) to cut off the power supply.
- Promptly contact ATOTO Customer Service or your dealer for professional assistance.

2.Immediate Action Required for Product Abnormalities:

1) Do not use the product if any abnormalities occur, as continuing to use it may result in product malfunction, permanent damage, fire, or even endanger personal safety.

2) If the product has the following abnormalities, please take immediate action:

- **Description of Abnormalities:** If the product emits smoke, unusual sounds, or odors, or if the screen

displays abnormally, etc.

- **Handling Method:** Immediately turn off the power and consult ATOTO Customer Service or your dealer for assistance.

1.2.2 Important Safety Information for Critical Driving Instructions

To ensure your personal safety, please read and thoroughly understand the following important safe driving instructions before using this product.

1. **Compliant Driving:** Always follow safe driving practices and comply with all applicable traffic regulations. If you encounter difficulties while operating this product, pull over to a safe location, park your vehicle securely, and engage the parking brake before making any necessary adjustments.
2. **Stay Focused While Driving:** Always keep your full attention on the road while driving. Do not stare at the device screen or operate the entertainment system. If you need to make any adjustments, pull over safely and ensure the vehicle is completely stopped before proceeding.
3. **Be aware of Road Conditions:** Avoid operating this product under hazardous road conditions and comply with regulations displayed on the map information. Always adhere to traffic restrictions and actual road conditions while driving.
4. **Operating the Product while Driving is Dangerous:** If you need to operate any function for an extended period, stop the vehicle completely and ensure it is in a safe location before doing so.
5. **Operate at Safe Volume Levels:** Excessive volume may prevent you from hearing emergency vehicle sirens or road warning signals, posing a safety risk and possibly leading to accidents. High volume may also result in hearing loss.
6. **Do Not Watch Videos While Driving:** Do not watch or operate video functions while driving, as this seriously distracts the driver and may result in accidents. The manufacturer shall not be liable for any personal injury, property loss, or damage resulting from distracted operation of video functions while driving.
7. **Minimize Operation While Driving:** Do not enter text, adjust settings, or operate other navigation system functions while driving. These operations should only be performed when the vehicle is safely and legally parked.
8. **Environmental Conditions:** Please pay attention to environmental temperatures. Using the navigation system under extremely high or low temperatures may result in malfunctions or damage. In addition, the product may be damaged by severe vibrations, metal objects, physical impact, or water ingress.
9. **Avoid Battery Drain:** When using this product, please ensure that the vehicle engine is running. Using this product without starting the engine may drain the vehicle's battery. Do not install this product in vehicles without an ACC circuit or power line.

1.3 Screen Use and Maintenance

This product uses a capacitive touchscreen, similar to those used in mobile devices (such as smartphones). Please use and maintain this product as you would a mobile device.

1.3.1 Capacitive Touchscreen User Guide

- **Do Not Operate the Screen with Wet Fingers:** If your fingers are wet or sweaty, the touch function may not operate properly.
- **Avoid Prolonged Exposure to Sunlight:** Do not leave the screen exposed to direct sunlight when not in use, as prolonged exposure to high temperatures may lead to screen malfunction or permanent damage.
- **Avoid Pressing the Screen with Excessive Force:** To avoid screen damage, operate the touchscreen keys with gentle finger touches only.
- **Avoid Contact with Sharp Objects:** Do not use ballpoint pens or other sharp objects to operate the screen to prevent damage.

1.3.2 Screen Cleaning Instructions

1. If there is dirt on the device screen or panel, wipe the surface with a dry, soft cloth (such as a silicone cloth).
2. For stubborn stains, use a cloth moistened with a neutral detergent to clean the screen and panel, then wipe dry with a soft, dry cloth.
3. It is best to clean the screen when the device is powered off, cooled down, and not exposed to direct sunlight.

Notes:

1. Do not use ammonia, glass cleaners, or any types of household chemicals to clean the screen and panel. Never use abrasive cleaners.
2. Do not spray cleaners directly onto the screen or panel to avoid damaging internal components.
3. Avoid using hard cloths or volatile liquids (such as thinners or alcohol) to clean the screen and panel as these may scratch the surface or erase printed text.

1.4 Notice



Apple CarPlay is a trademark of Apple Inc.

- **iPhone®** is a trademark of Apple Inc., registered in the U.S. and other countries.
- Use of the Apple CarPlay logo means that this user interface meets Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
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Chapter 2 Physical Hardware Overview

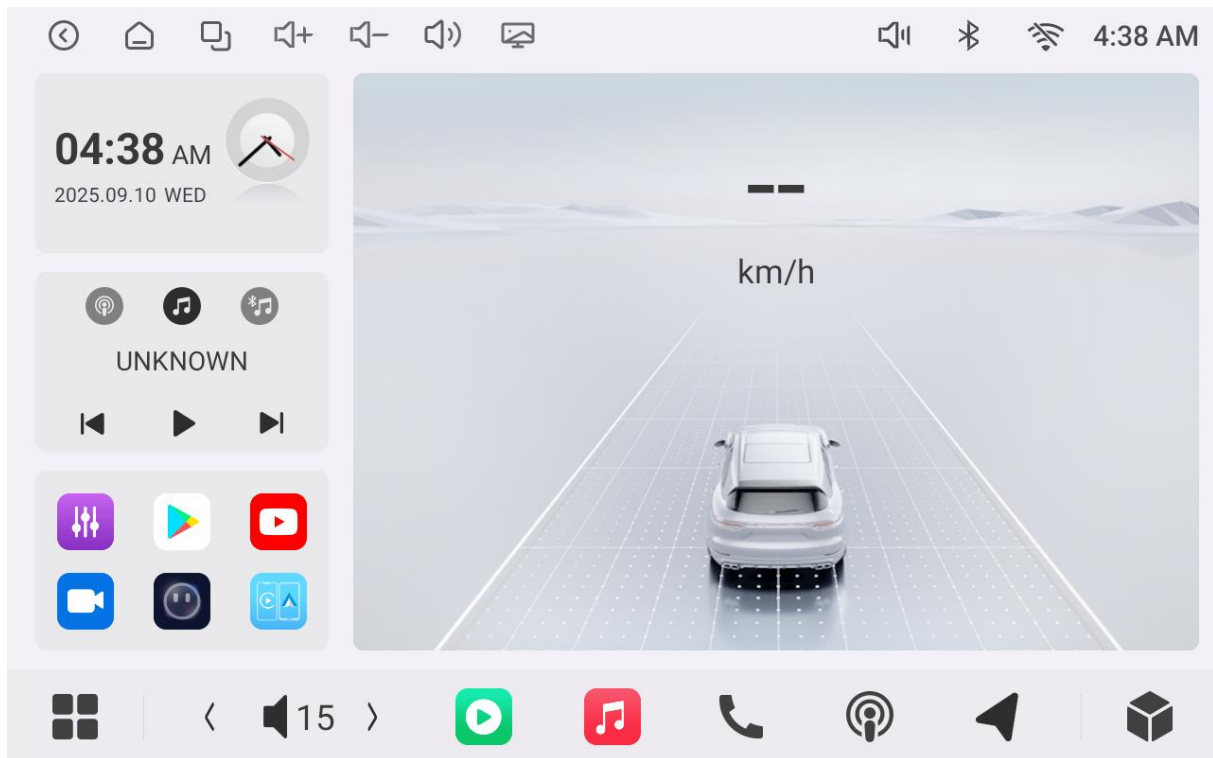
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Chapter 3 Home Screen & UI Operatio

This chapter explains the A7 home screen layout, customizable components, multi-window capabilities, and how to navigate the core interface. A well-organized interface gives users quick access to music, navigation, calls, and apps—creating a safer and smoother experience.



Home Screen Layout

3.1 Home Screen

The Home Screen (User Interface) consists of four functional areas: the status bar on top, the widget window area on left, the Display Area on right, the Shortcut Bar on bottom.

3.1.1 Status Bar (at the Top Right of the User Interface)

This area displays essential indicators such as volume, network state and time.

Note: By default, swiping down the status bar opens the Quick Setting Panel(on left) and message notification(on right).

3.1.2 Widget Area (Customizable Display Widget)

This area can display up to 3 user-selected widgets such as, Navigation, Music Player, Weather, Bluetooth Status, Vehicle Info.

How to Change Widgets

Step 01: Long press an widget on homescreen.

Step 02: Click the "-" to delete an existing widget and select a relacement by clicking the "+" from the widget list.

Step 03: Confirm to apply by clicking the **check mark** on the top left corner.

3.1.3 Shortcut Bar (Customizable)

This area provides quick-access shortcuts to frequently used functions, enabling effortless system control and app launching.

How to Customize Shortcut Bar

Step 01: Long press an icon on shortcut bar.

Step 02: Click the "-" to delete an existing widget and add an app by tapping the app from app center or component center.

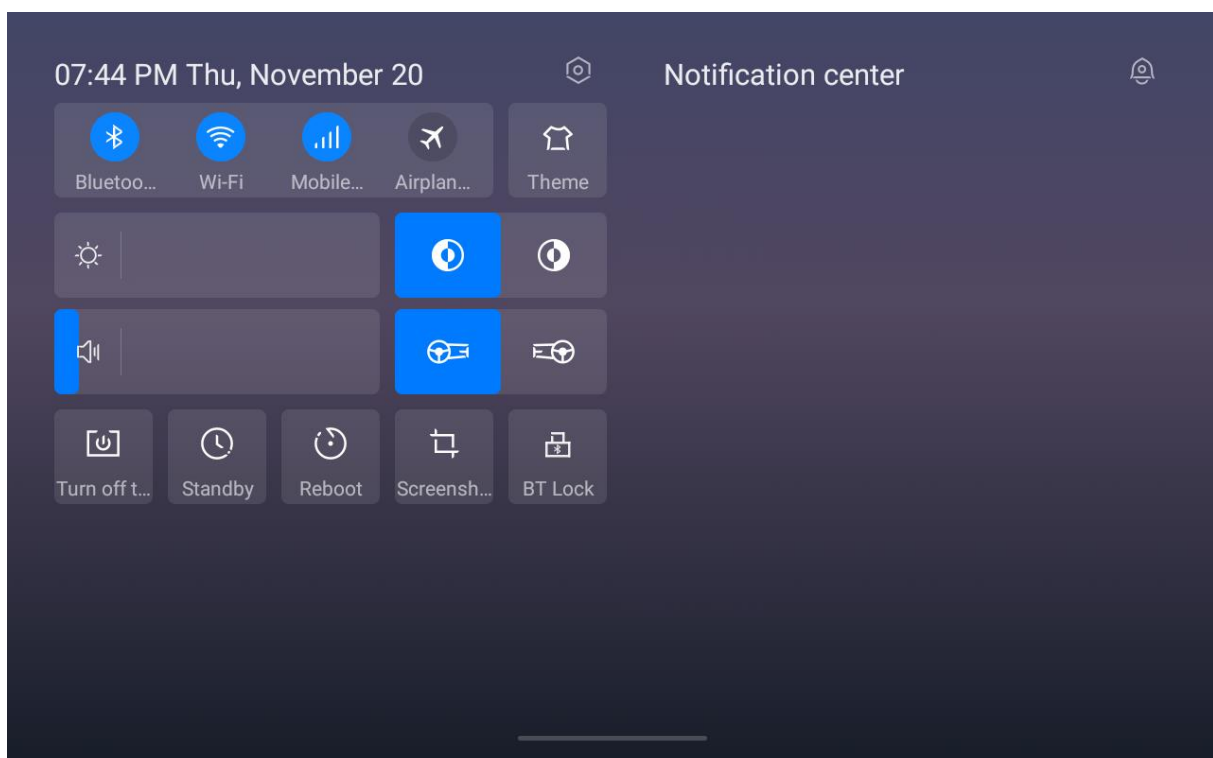
Step 03: Confirm to apply by clicking the **"complete"** button on the top right corner.

3.1.4 App Drawer (in the middle of the Shortcut Bar)

The App Drawer is an important component of the A7 Android head unit's home screen. It is represented by a simple and clear **"grid" icon** located at the bottom left corner on shortcut bar. Clicking this "grid" icon expands the App Drawer, revealing all installed apps.

3.2 Quick Settings Panel (Control Center) via Status Bar

The quick settings panel is the integrated control center. **Swipe down the status bar** at the top of the A7 Android head unit's home screen to open the Quick Settings Panel (Control Center). It provides instant adjustment for frequently used functions and mainly includes the following modules: network and connection, Bluetooth management, driving assistance settings, volume adjustment, screen brightness adjustment, etc.



Quick Settings Panel(Control Center)

Bluetooth: **Short press:** Turn Bluetooth ON/OFF. **Long press:** Open the Bluetooth Settings page for device management and advanced configuration

Wi-Fi: **Short press:** Enable/disable Wi-Fi. **Long press:** Open Wi-Fi Settings for network selection and detailed setup

Airplane Mode: **Short press:** Enable or disable Airplane Mode. When enabled, all wireless signals including mobile data will be turned off.

Theme: Tap to open the Theme Settings page, where you can change wallpapers, fonts, themes, and screensavers.

Brightness Adjustment Slider Bar: Tap or drag to adjust the screen brightness.

Volume Adjustment Slider Bar : Tap or drag to adjust the volume.

Display Mode: **Left icon:** Switch to Dark Mode. **Right icon:** Switch to Light Mode

Navigation Bar Mode: **Left icon:** Left-hand drive mode (LHD UI layout). **Right icon:** Right-hand drive mode (RHD UI layout). Switching modes will adjust the interface layout accordingly.

Turn off the screen – Immediately turn off the display

Standby – Enter low-power standby mode

Reboot – Restart the head unit

Screenshot – Capture the current screen

BT Lock – Quick screen lock (requires the BT Lock App to be set up)

3.3 Notifications Center

Swipe down the status bar to open the notification center. It sits right beside the quick setting panel. You can view various notifications and stay informed of important information (such as incoming calls, text messages, app push notifications, etc.).

3.4 Special Note: Dynamic Sound-Reactive Ambient Lighting

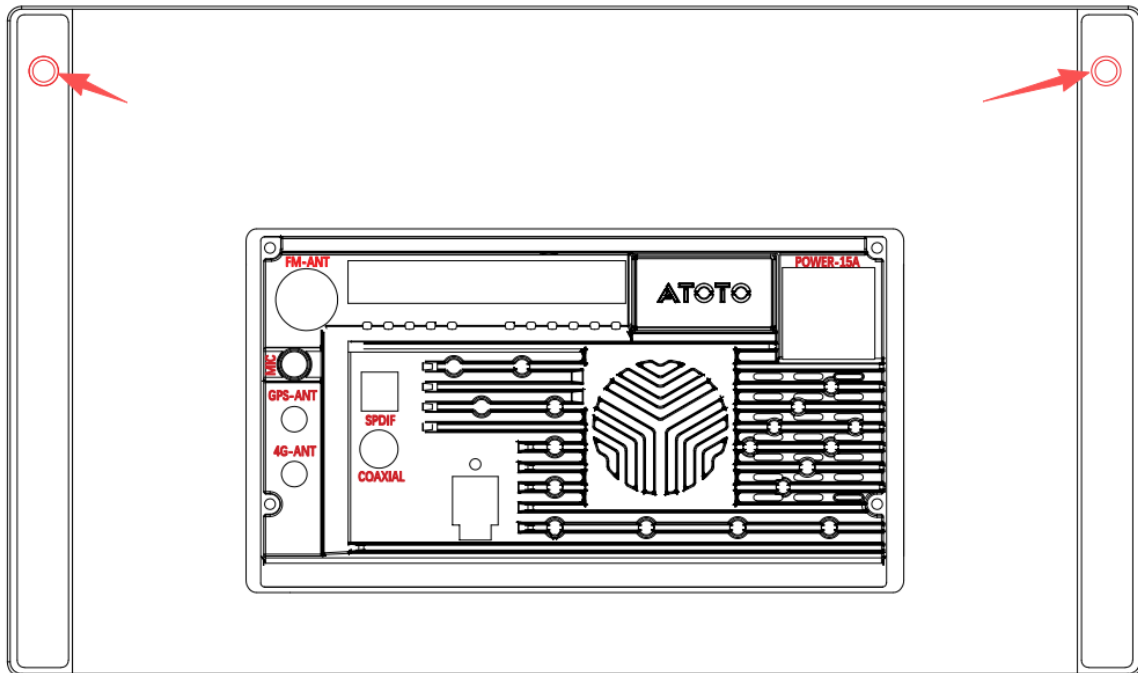
In the A7 series, the **A7G2D7KPL** and **A7G225PKL** Android head units feature integrated dynamic

sound-reactive ambient lighting on the front panel.

Note:

The **A7G2D7KPL** includes **one bar-type ambient light**, located on the **right side** of the head unit.

The **A7G225PKL** includes **two bar-type ambient lights**, positioned on **both sides** of the head unit.



Function Overview of the Dynamic Sound-Reactive Ambient Lighting

The integrated dynamic ambient lighting of the A7 Android car head unit not only adds a dazzling visual effect to the cabin, but also responds in real time to the rhythm of the music, creating an immersive and personalized in-car atmosphere. Combining decorative appeal with practical functionality, it enhances the driving mood while providing soft, comfortable auxiliary illumination, bringing more style and enjoyment to your journey. Key Features

1. **Enhanced Visual Appeal:** Creates a cool, high-tech in-car atmosphere.
2. **Personalized Experience:** Customize light color, lighting mode, and sound-pickup sensitivity based on personal preferences or the vehicle's interior style.
3. **Night-time Operation Aid:** Improves visibility of the head unit's control area in low-light conditions for easier operation.
4. **Music Rhythm Synchronization:** In Beat mode, the lighting flashes in sync with the music's rhythm, enhancing driving fun and immersion.
5. **Physical Button Operation:** On the back of the ambient lights on both sides of the front panel of the A7G225KPL, physical buttons are provided. The left and right buttons can independently control and adjust all functions of the corresponding ambient lights.

How to Control and Adjust the Dynamic Sound-Reactive Ambient Lighting Functions on A7G225KPL

The A7G225KPL has two physical buttons on the back. They allow quick and intuitive control and adjustment of all ambient lighting functions, as follows:

1. Brightness Adjustment (4 Levels)

Description: Brightness can be adjusted flexibly to provide comfortable, glare-free auxiliary lighting for the control area during night driving.

Operation: Quickly press the backlight control button **5 times** in succession to switch to the next brightness level.

2. Sound-Pickup Sensitivity Adjustment (2 Levels, for Beat Mode)

Description: Adjusts the response intensity of the lighting to sound.

Operation: Quickly press the backlight control button **7 times** in succession to change the sensitivity level.

3. Lighting Mode Switching (Short Press the Physical Button Once)

The system offers 5 lighting modes:

1. **Static** – Fixed single-color lighting; options: Blue, Green, Red, Purple.
2. **Flow** – Lighting colors flow continuously.
3. **Fade** – Smooth transitions between different colors.
4. **Jump** – Instant color changes between different colors, creating a dynamic effect.
5. **Beat**– Lighting flashes between different colors in sync with the music beat (two beat styles available:).

Note: To adjust the ambient lighting on the **A7G2D7KPL**, **long-press** the light control area to turn the lighting **on or off**, and to switch between the available lighting modes: **Flow, Upstream, Downstream, Fade, and Jump**.

Chapter 4 Bluetooth

Bluetooth is dedicated to mobile device connectivity (supporting simultaneous dual-phone connection for hands-free calls and music playback, as well as integrated screen lock privacy protection)

4.1 Connect to Bluetooth

4 paths to access Bluetooth

- Navigation to Home Screen Status Bar > Bluetooth Icon
- Navigation to Home Screen > App Drawer > Bluetooth app
- Navigation to Home Screen > App Drawer > BT Music

- Navigation to Home Screen > App Drawer > Car Settings > Bluetooth

How to connect to bluetooth

Step 01: On the Bluetooth panel, turn on the Bluetooth switch to enable Bluetooth.

Step 02: Enable Bluetooth on both of your phones.

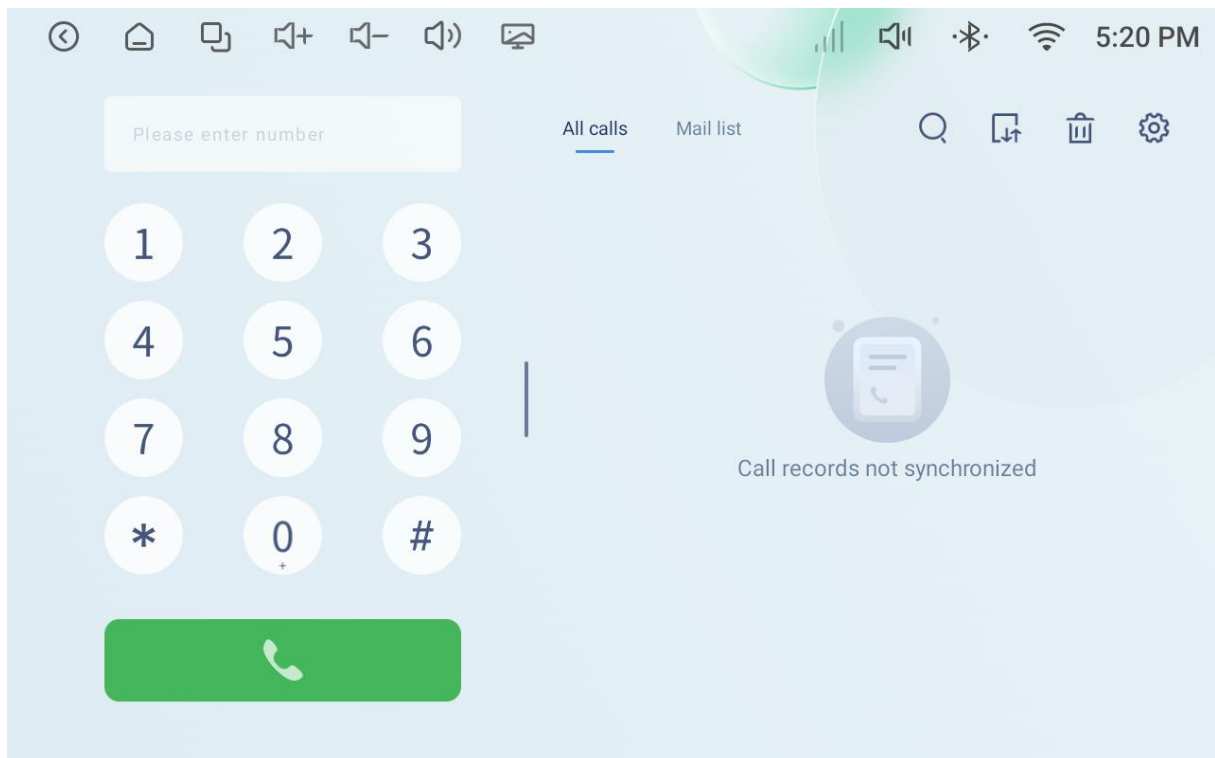
Step 03: From the **Available Devices** list, select the Bluetooth name of your smartphone and tap it to begin pairing.

If you cannot find your device, tap the **Refresh** button.

Step 04: Tap **Pair** and confirm any prompts on your smartphone to complete the Bluetooth connection.

Step 05: Once connected, your device will appear in the **Paired Devices** list. You can now use the A7 to make hands-free phone calls and play music from your smartphone.

4.2 Bluetooth Phone Call



The Bluetooth Phone feature allows the A7 head unit to make and receive hands-free calls once paired with your smartphone. This function enhances driving safety by enabling phone operations directly from the head unit without handling the mobile device. After successful Bluetooth pairing, users can access the dialer, call history, and contacts for seamless communication.

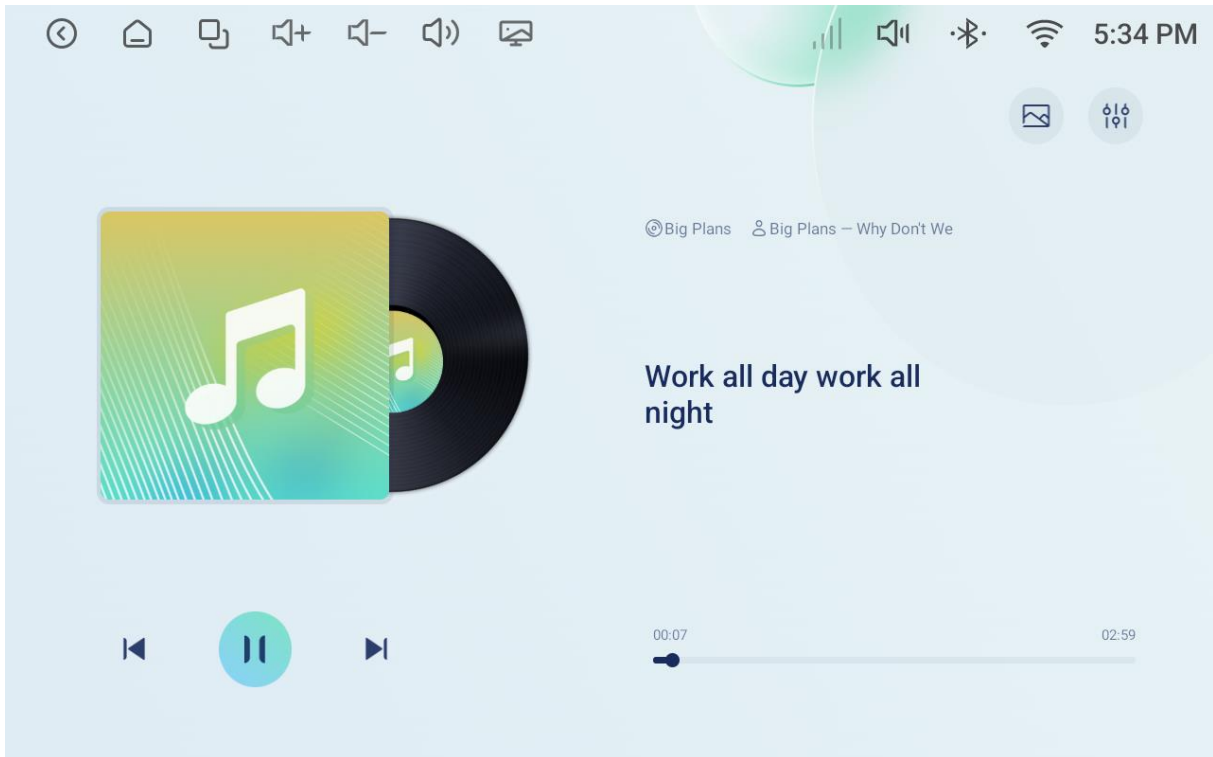
Dialer Panel (Left Side)

The left section of the interface displays the numeric dial pad, which allows users to manually enter a phone number to place a call.

Call History & Contacts (Right Side)

You can view the list of synchronized call records and phone's contact. Directly place a call by tapping a call record or a contact.

4.3 Bluetooth Music



The Bluetooth Music feature allows the A7 head unit to wirelessly stream audio from a paired smartphone or other Bluetooth-enabled devices. Once connected, users can enjoy music playback directly through the vehicle's speakers. This provides a convenient and hands-free listening experience while driving.

Background Image Icon (Top Right)

Tap the background icon to customize the Bluetooth Music interface with different background images.

DSP Icon (Top Right)

Tap the DSP icon to open the Digital Signal Processor tuning panel.

For detailed DSP operation instructions, please refer to **Chapter 20 (DSP Settings)**.

Chapter 5 Internet Connectivity Options

The A7 supports one **different methods of accessing the Internet**. Users may choose the option that

best fits their needs, usage scenarios, and cost considerations:

1. **Wi-Fi Connection**

Connect to an external Wi-Fi network or a mobile hotspot.

2. **USB Tethering**

Share another device's Internet connection via a USB cable for a stable, wired connection.

5.1 Wi-Fi Connection

The A7 Android head unit supports both **2.4 GHz** Wi-Fi networks.

How to Connect to Wi-Fi

Step 01: Create a Hotspot

Use your smartphone or a portable router to set up a Wi-Fi hotspot.

Chapter 6 CarPlay/Android Auto/Mirror(ZLINK)

6.1 ZLINK

This chapter introduces how to use **Wireless CarPlay**, **Wireless Android Auto**, and **Screen Mirroring** through the **ZLINK** application. ZLINK provides seamless integration between your smartphone and the A7 Android head unit, enabling convenient access to navigation, calls, messages, media apps, and voice assistants in a safer and more driver-friendly environment.

Key Features:

1. **Dual Platform Compatibility:** supports both **Apple CarPlay** (for iPhone) and **Android Auto** (for Android smartphones).
2. **Wireless Connectivity:** connects via **Wi-Fi + Bluetooth**, eliminating the need for physical cables.
3. **Rich App Support:** projects supported apps—such as Apple Maps, Google Maps, Spotify, Apple Music, Phone, Messages, and voice assistants (Siri/Google Assistant)—to the A7 head unit.
4. **Voice Control Support:** allows hands-free control using voice commands such as **“Hey Siri”** or **“Hey Google.”**
5. **Native Touchscreen Control:** fully compatible with the A7 touchscreen for smooth, intuitive interaction.

Preparation Requirements: Before use, ensure that both your smartphone and the A7 head unit have been updated to versions that support **Apple CarPlay** or **Android Auto**.

How to access ZLINK:

Navigate to **Home Screen > App Drawer > ZLINK > Toolbox icon**

ZLINK Settings:

After opening the ZLINK interface, tap the **Settings** button located at the bottom right corner to enter the configuration menu.

1. **Driver Position:** Tap to set the driver position (e.g., left-hand or right-hand drive). This setting will take effect the next time the app is restarted.
2. **FPS Engine:** Tap to enable or disable (e.g., left-hand or right-hand drive) FPS engine.
3. **Floating Navigation:** Tap to enable or disable the option to display CarPlay/Android Auto as a floating window on the screen.
4. **Background Connection:** Tap to enable or disable background reconnection. When enabled, ZLINK can reconnect automatically the next time the phone is detected nearby.

6.2 Apple CarPlay Connection

The A7 supports **Wireless Apple CarPlay only**, enabling seamless integration between your iPhone and the head unit for a safer and smarter in-car experience.

6.2.1 Wireless Apple CarPlay Introduction

Wireless CarPlay allows iPhone users to access Apple Maps, Google Maps, calls, messages, Apple Music, and supported third-party apps directly on the A7 in a clean and safe interface.

Note: The A7 **does not support wired CarPlay**.

6.2.2 How to Configure Wireless Apple CarPlay Connection

Requirements

- The vehicle must be in **Park (P)**.
- Your iPhone and the A7 must **not** be connected to other Wi-Fi or Bluetooth devices.
- Enable **Bluetooth** and **Wi-Fi** on your iPhone.
- Enable **Bluetooth** and **Wi-Fi** on the A7:

Settings > Network Settings > Wi-Fi

Operation Steps:

Navigation Path: Navigate to Home Screen > Status Bar > **Bluetooth Icon**

Step 01: Slide down the **Status Bar** and **long press the Bluetooth icon** to enter the Bluetooth settings interface. Turn on the switch to enable Bluetooth.

Step 02: Enable Bluetooth and Wi-Fi on your iPhone. On your iPhone, look for the A7 device name (e.g., "A7XXXX").

Step 03: Tap **Pair** and confirm any prompts on your iPhone to complete Bluetooth pairing.

Step 04: Once Bluetooth pairing is completed, open the **ZLINK app**. Tap the **Toolbox icon** at the bottom. You will see three options: **CarPlay / Android Auto / Mirror**.

Step 05: Tap **CarPlay** to start Wireless Apple CarPlay.

6.1.4 Important Note (Wireless Apple CarPlay Usage Notes)

- There is no need to manually select the A7 Android head unit from the phone's Wi-Fi list; once Bluetooth pairing is completed, it will automatically connect via Wi-Fi.
- Wi-Fi network connections are not supported while using Wireless Apple CarPlay.
- This manual provides basic setup instructions. For detailed Wireless Apple CarPlay features and usage, visit Apple's official site: [iOS - CarPlay - Apple](#)

6.2 Wireless Android Auto Introduction

Wireless Android Auto provides a richer interactive experience and convenient wireless connectivity between your Android phone and the A7 Android head unit. It allows you to access Google Maps, Waze, calls, messages, music apps, and Google Assistant on the A7 interface.

6.2.2 How to Configure Wireless Android Auto Connection

Required App

- The **Android Auto** app must be installed (from Google Play, if available in your region).

Compatible Android Versions

- Android phones with **Android 11.0 or later**
- Google Pixel or select Samsung phones with **Android 10.0 or later**
- Samsung Galaxy S8/S8+/Note8/Note9 or later with **Android 9.0 (Pie) or later**
- For the latest list, refer to Google's official compatibility page.

6.2.3 How to Configure Wireless Android Auto Connection

Prerequisites:

1. Vehicle must be in **Park (P)**.
2. The Android phone and the A7 must **not** be connected to other Wi-Fi or Bluetooth devices.
3. Enable **Bluetooth** and **Wi-Fi** on your Android phone.
4. Enable **Bluetooth** and **Wi-Fi** on the A7.
5. On your Android phone, open **Android Auto settings** and ensure **"Wireless Android Auto"** (or "Wireless projection") is enabled.

Operation Steps:

Step 01:

Slide down the **Status Bar** and **long press the Bluetooth icon** to enter the Bluetooth settings interface. Turn on the switch to enable Bluetooth.

Step 02:

Enable Bluetooth and Wi-Fi on your Android phone. Search for the A7 device name (e.g., "A7XXXX") and select it.

Step 03:

Tap **Pair** and confirm all prompts on your phone to complete Bluetooth pairing.

Step 04:

Once paired, open the **ZLINK app** and tap the **Toolbox icon**.

Step 05:

Select **Android Auto** from the three options (CarPlay / Android Auto / Mirror) to start Wireless Android Auto.

6.2.4 Important Note (Wireless Android Auto Usage Notes)

- **First Use Wireless Android Auto:** If you are using wireless Android Auto on your phone for the first time, make sure that the wireless Android Auto option or wireless projection option is on.
- **Audio Output Limitation:** Audio from Android Auto cannot play simultaneously with A7's local media sources (e.g., Radio, Bluetooth Music, USB/SD Card Music). When Android Auto audio is active, other sources are paused or muted.
- **This Manual Provides Basic Setup Instructions:** For detailed Android Auto features and usage, visit the official Android site: <https://www.android.com/auto>

6.3 Phone Mirroring

Phone Mirroring allows you to project your smartphone's screen onto the A7 infotainment system via **USB** or **Wi-Fi**. You can view navigation apps such as Google Maps or watch videos (e.g., YouTube) directly on the car's screen.

Compatible with select **Android phones** and **iPhones**.

6.3.1 Configure Wireless Phone Mirroring for iPhone

Before starting, open the **ZLINK App** from the App Drawer, then tap the **Mirror** option from the toolbox panel.

Option 1: USB Connection

1. Use the **original iPhone USB cable**.
2. When prompted on your iPhone, tap **"Trust This Device."**

Option 2: Wi-Fi Connection

1. In the ZLINK Mirror interface, select “iPhone.”
2. Ensure both the A7 head unit and your iPhone are connected to the **same Wi-Fi network**.
3. On your iPhone, select “Screen Mirroring.”
4. Select the device name displayed on the A7 screen to start mirroring.

6.3.2 Configure Wireless Phone Mirroring for Android Phone

Before starting, open the **ZLINK App** from the App Drawer, tap the **Toolbox icon**, then select the **Mirror** option. This prepares the A7 for Android Phone Mirroring.

(Navigation Path: Home Screen > App Drawer > ZLINK)

Option 1: USB Connection

1. Tap the **Help** icon at the top of the ZLINK interface, scan the QR code, and download the **required mirroring app** onto your Android phone.
2. Connect your phone to the head unit's USB port, open the mirroring app on your phone, and tap “Start Screen Projection.”

Option 2: Wi-Fi Connection

1. Tap the **Help** icon at the top of the ZLINK interface, scan the QR code, and **download the required mirroring app** onto your Android phone.
2. Make sure your Android phone is connected to the **same Wi-Fi network** as the A7 head unit.
3. On your Android phone, open the mirroring app and follow: **ZLINK App > Wireless Connection > Start Screen Projection > Start Now**
4. Wait a few seconds. The A7 screen will begin displaying your Android phone's screen.

Note: Screen control remains on the Android phone (mirroring only).

Chapter 7 DriveChat App (AI Voice Assistant)

7.1 Introduction to DriveChat & SSHub App

The A7 Android head unit comes pre-installed with the DriveChat app, an innovative AI voice assistant powered by **SSHub** and **ChatGPT**. DriveChat allows you to control the A7 via voice commands and interact with multiple AI chatbots for information, assistance, or entertainment.

DriveChat Functionality

- Control A7 functions via voice commands (e.g., music playback, navigation, settings).
- Interact with multiple AI chatbots for information, guidance, or general conversation.

SSHub Companion App (Required)

You must download the SSHub app on your smartphone (available on the App Store or Google Play) to:

1. Create and manage your ATOTO account.
2. Configure DriveChat settings (e.g., wake words).
3. Sync settings between your phone and the A7 head unit.
4. Manage optional paid features or premium AI models for DriveChat (check the SSHub app for details).

Potential Costs

- Some advanced DriveChat features or specific AI models may require purchases, which are managed through the SSHub app.

7.2 Setting Up DriveChat (Account & Wake Words)

Overall Process

Download **SSHub** app -> Create/Log in to ATOTO Account -> Access DriveChat (Link A7 to SSHub Account via QR Scan) -> Set Wake Words.

Operation Steps

Step 1: Download & Sign In to SSHub



1. Download the **SSHub app** from the App Store (iOS) or Google Play Store (Android).
2. Open **SSHub** and create a new ATOTO account, or log in with a supported third-party account (e.g., Google).

Step 2: Link A7 to SSHub Account

1. On the A7, open the DriveChat app (pre-installed; if missing, download via **FindApps**).
2. A QR code will appear on the A7 screen.
3. On your phone, open **SSHub** → tap **Add ATOTO Device (+)** → choose **Scan** → scan the QR code displayed on the A7.
4. Tap the **Add ATOTO Device** button, enter a device name (e.g., *A7 Android head unit*), and then tap **Confirm**. Your A7 is now linked to **SSHub**.

Step 3: Set Wake Words

1. Open **DriveChat app** on the A7, locate **Wake-up Options** and tap to enter settings.
2. Tap **+ New Wake Word** to start the setup.
3. Tap **Confirm**, enter your preferred wake word, then tap **Confirm** again to complete the input.

4. Tap **Start** to begin recording the wake word. Repeat this step until a checkmark (✓) appears. Then tap **Confirm** to finish. The wake word is now saved.

Notes:

- You must set at least two distinct wake words:
 - One for voice control (e.g., "Hey Mojo")
 - One for chatbot interaction (e.g., "Hey Piko")
- DriveChat (AI Voice Assistant) processes one request at a time. Wait until the current command/conversation ends before starting another.
- Recognition is strongest for the person who recorded the wake word. If multiple users share the system, each should record their own.
- Avoid common phrases/names to prevent accidental activation

7.3 Using DriveChat (Voice Control & Chatbot)

DriveChat lets you interact with the A7 head unit more safely, naturally, and efficiently while driving. It combines voice control and AI chatbot conversation for both practical use and entertainment.

1. Personalized Wake Words

- Each user can record their own custom wake words:
 - For voice control commands (e.g., "Hey Mojo").
 - For chatbot interaction (e.g., "Hey Piko").
- Custom wake words improve accuracy and reduce accidental activations.

2. Voice Control of Head Unit Functions

You can control the A7 with simple voice commands.

Examples:

User: "Hey Mojo, turn on the Radio."

DriveChat (Mojo): "Radio turned on for you."

User: "Hey Mojo, skip to the next track."

DriveChat (Mojo): "Skipping to the next track."

3. Conversational Interaction

Use DriveChat as a companion for fun and engagement.

Example:

User: "Hey Piko, tell me a joke."

DriveChat (Piko): "Sure! Why don't scientists trust atoms? Because they make up everything!"

User: *"Thanks, Piko! That was funny. Can you tell me a story about atoms?"*

DriveChat (Piko): *"Of course! Once upon a time in Atomville..."*

4. AI Chatbot for Advice

Use DriveChat as a companion for fun and engagement.

Example:

User: *"Hey Mojo, switch to novelist mode."*

DriveChat (Mojo): *"Switching to novelist mode."*

User: *"Hey Piko, how can I write a compelling novel introduction?"*

DriveChat (Chatbot - Novelist Mode): *"Start with an intriguing question, a vivid description, or a dramatic event..."*

7.3.1 Activate DriveChat

You can activate DriveChat by using wake words. Different wake words trigger different functions.

Examples:

1. General Conversation

Say: *"Hey Piko, What's the highest mountain in the world?"*

DriveChat (Piko) answers: *"Mount Everest is the highest mountain in the world."*

2. Switch to Professional Chatbot Role

Say: *"Hey Mojo, switch to novelist mode."*

DriveChat (Piko): *"Switching to novelist mode."*

Now continue with: *"Hey Piko, how can I write a compelling novel introduction?"*

In this context, "**Hey Mojo**" serves as the control wake word. After DriveChat switches to the novelist role, you should use "**Hey Piko**" to continue the conversation.

Note:

- "Hey Mojo" (control wake word) → for system control & mode switching.
- "Hey Piko" (dialogue wake word) → for interactive conversations.
- Wake words shown here are examples only. You can customize your own in the DriveChat app on the A7 head unit.

7.3.2 Configuring the Chatbot Settings

Before using the chatbot feature of DriveChat, you need to pair and configure it with the **DriveChat app** (on the A7) and the **SSHUB app** (on your smartphone).

Operation Steps

Step 1: Log in to SSHub on Your Smartphone

1. Open the SSHub (App Store or Google Play).
2. Log in with your ATOTO account or a supported third-party account (e.g., Google).

Step 2: Pair the A7 with SSHub App

1. On the A7, open the DriveChat app. A QR code will appear.
2. On your phone, open SSHub, tap **Add ATOTO Device (+)**, then tap **Scan** and scan the QR code on the A7 screen.
3. The A7 is now successfully paired with the SSHub.

Step 3: Configure the Chatbot

1. In the SSHub app, tap **DriveChat** to enter chatbot configuration.
2. Tap to AI Chatbot view **All Available Chatbots**.
3. Select a chatbot and configure:
 - Use on Car Stereo → activates chatbot on the A7.
 - Decision Think Tank → example chatbot name.
 - Language & Tone → choose language and speaking style.
 - Current Model → choose the AI model.
 - Chat → interact directly on your phone.
4. In the Mine list, toggle the chatbot **ON/OFF** to enable or disable it on the A7.

7.4 Important Notes (DriveChat)

1. Account Owner Recognition

Voice recognition and response accuracy may improve when commands are given by the primary account holder linked through the SSHub app.

2. App Updates

Both the DriveChat app (on the A8 head unit) and the SSHub app (on your smartphone) receive periodic updates. Features, interfaces, or setup steps may change. Always consult the latest app versions for up-to-date instructions

3. Network Dependency

DriveChat requires an active internet connection on the A8 head unit to process commands and generate AI responses. Response times may vary depending on your network speed and stability.

Chapter 8 Dual Built-in Microphone & Mic Port

The chapter introduces the A7 Android head unit's dual built-in noise-canceling microphones, located on both sides of the bottom of the front panel, which employ adaptive noise reduction algorithms to enhance voice capture sensitivity and accuracy. This technology delivers exceptional voice interaction and call noise suppression performance in complex, noisy environments, providing drivers with more convenient, safer, and more comfortable interaction experiences. Also, the A7 Android head unit's rear panel has a Mic port for External Microphone Input to improve voice input quality.

8. 1 Dual Noise-Canceling Microphone

The dual built-in noise-canceling microphones located on both sides of the bottom of the front panel employ adaptive noise reduction algorithms to enhance voice capture sensitivity and accuracy. They have the following features:

- **Precise Voice Recognition**

Dual built-in microphones (left/right) form an array system to accurately capture voice commands, enhancing clarity and recognition accuracy for hands-free operation.

- **Advanced Noise Reduction**

Intelligent algorithms filter engine/wind noise, maintaining clear call quality and voice interaction whether stationary or at high speeds.

- **Directional Sound Capture**

Microphone array locates and focuses on driver/passenger voices while suppressing other cabin noise, improving voice interaction precision.

- **Multi-Scenario Application**

Supports voice assistant, calls, navigation, and multimedia controls for safer and more convenient vehicle experiences.



8.2 Mic Port

The A7 Android head unit's rear panel has a Mic port for external microphone input to improve voice input quality. If you have higher demands for voice interaction, you need to connect an external microphone to the Mic port. We recommend purchasing our ATOTO AC-MIC20 external microphone (sold separately), which has the following features:

- **Voice Input Optimization**

The high-sensitivity microphone ensures clear audio capture, improving voice recognition accuracy for voice assistants, navigation, and calls. Additionally, the external mic can be placed near the driver, offering superior sensitivity and pickup range over built-in mics.

- **Connector Type**

3.5mm Plug: Universally compatible, designed for external microphone input, and supports plug-and-play.

Setup & Usage:

Refer to the separate ATOTO **AC-MIC20** User Manual on the Eproductcare website (www.eproductcare.com) for further details. **(Navigation Path: Navigate to Eproductcare > More > Microphone > AC-MIC20)**

Notes:

1. When installing the external microphone, be sure to remove the dustproof mesh first, otherwise it may affect call quality.
2. If you notice poor call quality with the external microphone, please check whether the dustproof mesh has been removed. If not, remove it promptly to restore normal audio performance.



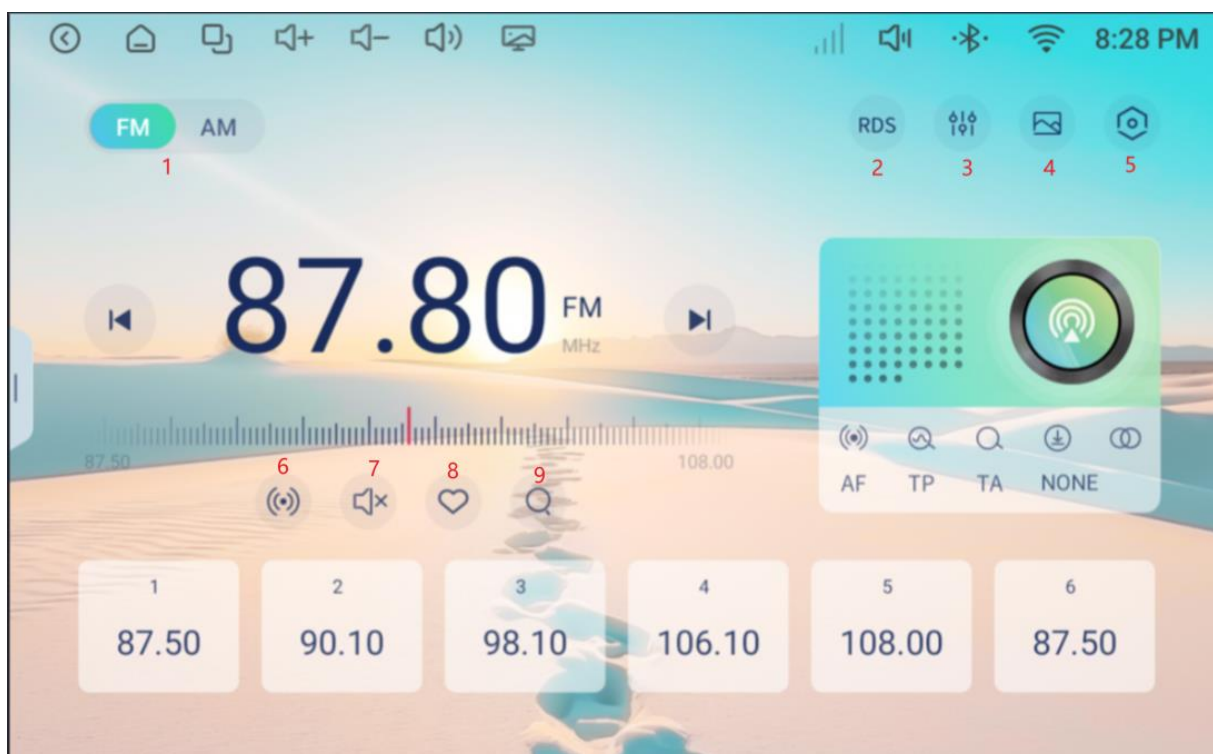
AC-MIC20

Chapter 9 FM/AM Radio App

The FM/AM radio integrates advanced radio reception technology and user-friendly interactive design. This functionality supports **dual-band reception (FM frequency modulation and AM amplitude modulation)**, equipped with **RDS (Radio Data System)**, AF (Automatic Frequency Switching), and TA (Traffic Announcement) capabilities. It offers comprehensive station management and enhanced listening features, enabling users to access music, news, and real-time traffic information, thereby fulfilling diverse listening needs.

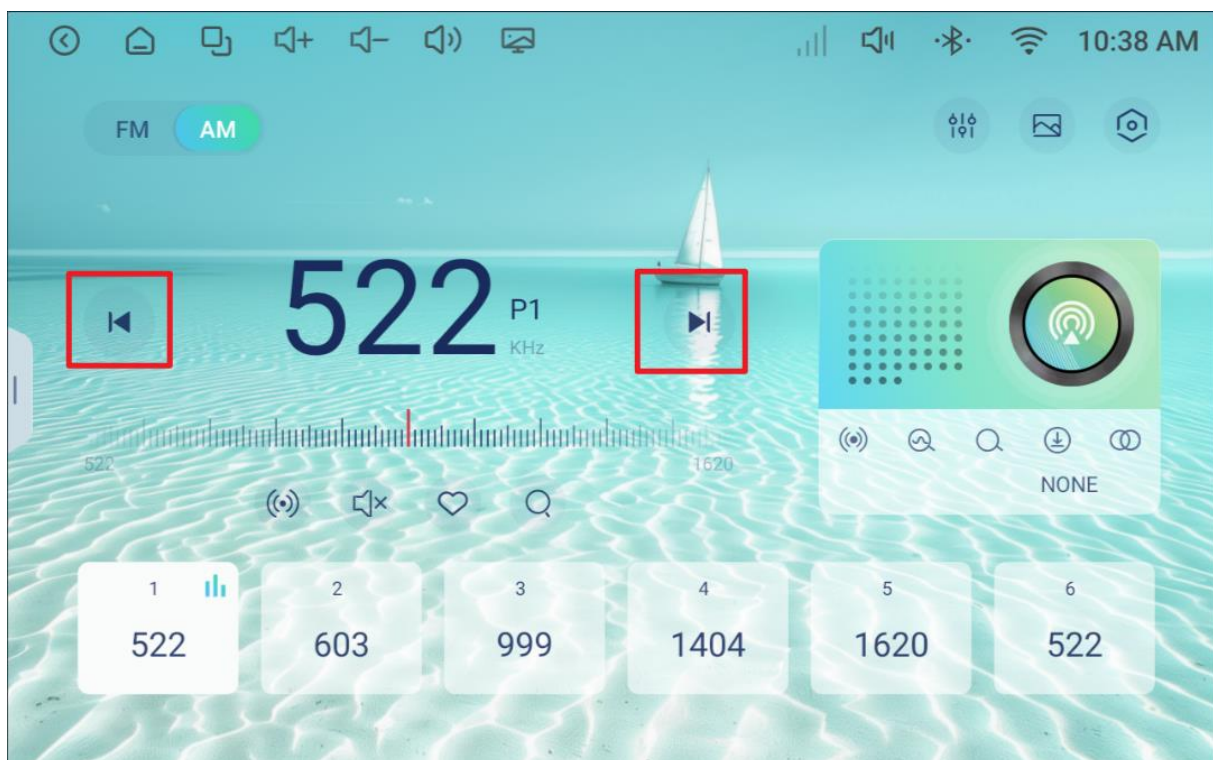
9.1 Radio Home Screen Interface

Navigate to **Home Screen > APP Drawer > Radio App**



The following are the most common settings for the FM/AM Radio Interface:

1. **Tap FM or AM to switch between FM and AM radio bands.**
2. **RDS:** Tap “RDS” for station info (name, program type), auto frequency switching (AF), and real-time traffic alerts (TA).
3. **DSP:** Open the DSP equalizer panel to adjust sound style, tone quality, speaker balance, filters, and audio field.
4. **Background Settings:** Change the Radio app background theme or select a custom image.
5. **Radio Settings:** Adjust am/fem sensitivity level.
6. **Local/Distance Search Mode:** Switch between Local Search (Finds stations with strong nearby signals) and Distance Search: Finds stations from farther distances with weaker signals
7. **Mute:** Tap to mute or unmute the radio audio.
8. **Favorites:** Tap the heart icon to add the current station to your preset list or remove it from favorites.
9. **Search (Short Press / Long Press):** Short Press: Preview the next available station. Long Press: Automatically scan/search for all available stations



Radio Tuning Buttons (Left & Right Arrows)

- **Left Arrow Button:** Short press to switch to the previous preset station. Long press to scan backward to search for the next available station with a strong signal.
- **Right Arrow Button:** Short press to switch to the next preset station. Long press to scan forward to search for the next available station with a strong signal.

9.2 Radio Status Baar



Note: The icon appears gray when disabled; it turns black when enabled.

1. Automatically searches for a clearer broadcast of the current station.
2. Plays each saved preset station in sequence, switching to the next preset every 5 seconds.
3. Manual Frequency Scan: Long-pressing the left or right arrow buttons performs a continuous frequency scan
4. All stations found during an automatic scan will be saved directly into the preset list.
5. Stereo Mode On/Off
6. AF (Alternative Frequency), When the current station becomes weak or noisy, AF automatically switches to another frequency broadcasting the same station but with better signal clarity.
7. TP allows the radio to detect stations that broadcast traffic information programs. In regions that support TP, the system will prioritize tuning to stations with traffic program data available.
8. When enabled, the system monitors for real-time traffic announcements, such as: Road conditions/Accidents, Closures / construction, Congestion alerts
9. PTY (Program Type Selection) Allows filtering and searching for stations by content category

9.3 Radio Sensitivity Adjustment

You can adjust the **AM/FM sensitivity level** in the **Radio Settings** by tapping the **Settings icon** located at the top-right corner of the radio interface.

AM/FM Sensitivity

Use this option if you are receiving too few stations or experiencing poor audio quality.

- **Minus (-):** Tap to **reduce** radio sensitivity.
- **Plus (+):** Tap to **increase** radio sensitivity.

Notes:

- Setting the sensitivity **too high** may cause poor reception for certain stations, leading to **static noise** and reduced audio quality.
- Setting the sensitivity **too low** may reduce the number of stations received, affecting the overall listening experience.

Auto-Tune Sensitivity

For seamless, adaptive performance, use **Auto-Tune Sensitivity**, recommended for everyday listening.

Chapter 10 DSP (Customize Audio Experience)

This chapter systematically elaborates on the core functions of in-car audio effect adjustment. Its built-in **digital signal processor (DSP)** allows for **extensive audio customization** via the equalizer application. Through multi-dimensional audio control technology, it provides users with a comprehensive end-to-end audio optimization solution, ranging from basic tuning to in-depth customization, adaptable to different music genres, in-car spatial layouts, and personalized listening preferences.

10.1 Balance Adjustment (Field / Listening Position)

This feature creates a personalized sound field based on where passengers sit, optimizing audio for real driving conditions and enhancing the immersive listening experience.

1. Preset Listening Modes

- **Front Left Mode** – Balanced for multi-passenger scenarios.
- **Front Right Mode** – Optimized for the driver, reducing driving noise interference.
- **Passenger Mode** – Enhances the front passenger side for asymmetrical listening.
- **Full Vehicle Mode** – Strengthens rear output, ideal for rear passengers.

2. Custom Balance Adjustment

- Use **Manual Tuning** to precisely adjust front/rear and left/right balance by dragging the crosshair on the cabin diagram.

Operation Steps

Step 01: Access Field Adjustment

Navigation Path: Home Screen > App Drawer > **Equalizer (EQ) App** > **Field**

Step 02: Select Preset Listening Mode

Tap a preset on the left sidebar (Front Left / Front Right / Passenger / Full Vehicle).

The cabin diagram will highlight the active listening zone.

Step 03: Manual Adjustment (Custom Mode)

Drag the crosshair within the cabin diagram to set the preferred listening focus point.

10.3 Surround (Gain / Delayed)

The Surround section allows users to adjust individual speaker levels, apply time delay, mute channels, and reverse speaker phase to optimize the in-car acoustic environment.

The interface contains two sections: **Gain** and **Delayed**.

10.3.1 Gain Adjustment

Function: Controls the **volume level** of each individual speaker channel.

Navigation: DSP App > Surround > **Gain**

Operation Steps

Step 01: Drag the slider up or down to adjust speaker volume precisely.

Speaker Mute Button

Tap the **speaker icon** under the minus button to mute that speaker.

Use cases:

- Quickly silence a specific speaker
- Test individual channels
- Isolate sound for troubleshooting

Linked Left/Right Mute

- Tap the **Link button**
 - Then tap either left or right mute
- Both L/R speakers mute simultaneously

Phase Inversion (Left/Right Phase Button)

Reverses the sound wave phase of the selected speaker.

Purpose: To correct **phase cancellation**, which can occur when speaker positions cause left and right channels to cancel each other, reducing bass and clarity.

Activating phase inversion may help restore low-frequency impact.

10.3.2 Delay Adjustment (Time Alignment)

This feature ensures sound from all speakers reaches the listener's ears at the same time, creating a centered and accurate sound stage—like sitting at the sweet spot in a studio.

Operation Steps

Step 01: Set Listening Position

Choose a primary location (typically the driver). For general balance, choose the cabin center.

Step 02: Measure Distance

Measure the straight-line distance from the listening position to each speaker:

Front Left, Front Right, Rear Left, Rear Right.

Step 3: Open Delay Adjustment

Navigation Path: Equalizer (EQ) App > Surround > **Delayed**

Step 04: Apply Delay

Drag the slider to increase or decrease delay. (Max adjustment: **680 cm** distance, **20 ms** delay.)

10.4 Filter(High/Low-Pass & Bass Enhancement)

The Filter section precisely controls what frequencies each speaker receives, ensuring optimal performance and protecting speakers from unsuitable frequencies.

Two modes are provided:

1. **High/Low-Pass Filtering (default tab)**
2. **Bass Enhancement (second tab)**

10.4.1 High-Pass & Low-Pass Filtering

These filters allow the user to define the frequency range delivered to each speaker.

Benefits

- Improved clarity and cleaner separation
- Prevents frequency overlap and energy loss
- Protects speakers from receiving frequencies they cannot handle
- Enables custom tuning to match your vehicle's acoustics

High-Pass Filter (HPF): Allows **frequencies above** the cutoff to pass.

- Found on the **left panel** ("High pass filtering")
- Adjust using the left/right arrow buttons
- Choose slope: 6 / 12 / 18 / 24 / 36 / 48 dB per octave

- Toggle switch enables/disables HPF

Example:

If HPF = 20 Hz → frequencies **below 20 Hz** are reduced or blocked. This protects smaller speakers from deep bass frequencies.

Low-Pass Filter (LPF): Allows **frequencies below** the cutoff to pass.

- Found on the **right panel** (“Low pass filtering”)
- Adjust with left/right arrows
- Slope options same as HPF
- Toggle switch enables/disables LPF

Example:

If LPF = 20 kHz → frequencies **above 20 kHz** are reduced. This is essential for subwoofers, which only reproduce low frequencies.

10.4.2 Bass Enhancement (Second Tab)

In the Bass Enhancement tab, users can adjust:

- **Center Frequency** – which bass band is emphasized
- **Bass Gain** – level of boost applied

Especially useful for vehicles **without a dedicated subwoofer**, significantly improving low-frequency performance.

Chapter 11 AvIn (Audio and Video Input) App

The AVIN (Audio and Video Input) function on the A7 Android head unit supports external audio and video sources through RCA connectors. This allows users to connect third-party media devices—such as DVD players, gaming consoles, digital TV boxes, or other multimedia players—and play their content directly through the A7 Android head unit’s screen.

Key Features

1. RCA-Compatible External Input

The A7’s AUXIN (Audio and Video) ports accept standard RCA analog signals (composite video and stereo audio).

The AUXIN ports support external devices equipped with RCA output jacks labeled:

- Yellow: Video input
- Red: Right-channel audio input
- White: Left-channel audio input

Offers a simple and flexible way to expand in-car media functionality without requiring USB or HDMI inputs.

2. AVIN App Integration

Audio and video input from external devices can be accessed using the pre-installed AVIN App. Launching the app will display video on the A7 screen while playing audio through the original vehicle speakers.

3. Synchronized Audio and Video Playback

Audio input uses standard stereo analog signals (left and right channels).

Video input follows the composite video (CVBS) standard.

Video is displayed on the A7 screen, and audio is played through the car's sound system simultaneously.

Prerequisites for AUXIN Connection

Before connecting an external device to the AUXIN input, ensure that the device supports RCA output and includes all of the following ports:

- Left-channel audio output
- Right-channel audio output
- Video output

Note: The layout of the AUXIN ports may vary depending on the A7 model or the design of the included RCA wiring harness. Refer to the specific wiring documentation (Installation Instructions) for detailed information.

Operation Steps

Step 01: Confirm the External Device's Output Ports

Verify that the external device you plan to connect includes standard RCA output ports.

Step 02: Connect the External Device to the A7

Connect the device's RCA output ports to the corresponding RCA input ports on the A7 wiring harness, ensuring audio and video signals are matched correctly.

Step 03: Launch the AVIN App

Navigation Path: Home Screen > App Drawer > AVIN App

Tap the AVIN App icon to open the video interface. The system will automatically detect and display the external video signal.

Step 04: Adjust Volume

Swipe down the status bar and use the volume slider in the Quick Settings Panel to adjust playback volume.

Notice:

Video playback from the AVIN App is **only available when the vehicle is stationary**, unless the user manually disables the “No Video Watching While Driving” option in system settings. This restriction is intended to reduce driver distraction and comply with safety regulations.

To disable “No Video Watching While Driving”:

Navigation Path: Home Screen > App Drawer > Car Settings > General > Car Watch Video While Drive. Tap the switch to enable or disable this option.

Chapter 12 HDMI-IN App (HDMI Input)

The **HDMI-IN App** is a built-in application on the A7 Android head unit designed to receive and display HDMI input signals. It allows you to connect external devices—such as TV sticks, game consoles, digital cameras, and streaming devices—and display their real-time video output directly on the A7 screen. This provides a richer multimedia experience and extends the functionality of your head unit.

Compatibility Requirement

- The A7 does **not** include a native HDMI input port.
- To enable HDMI functionality, you must use the **ATOTO AC-HBV86 HDMI-to-USB adapter** (sold separately).
- When properly connected, the AC-HBV86 enables the A7 to receive **synchronous 1080P video** and **high-definition audio** from external HDMI devices.

Software

The A7 includes a pre-installed **HDMI-IN App**, which is used to display video streams from external HDMI sources.

Operation Steps

Step 01: Understand the AC-HBV86 HDMI-to-USB Adapter

For installation instructions and detailed wiring information, refer to the **ATOTO AC-HBV86 User Manual** available on the Eproductcare website (www.eproductcare.com).

Navigation Path: Eproductcare > More > Video In/Out Adapter > **AC-HBV86**

Step 02: Watch High-Definition Video

Navigation Path: Home Screen > App Drawer > **HDMI-IN App**

Tap the **HDMI-IN App** icon to view high-definition video from an external device connected through

the AC-HBV86 adapter.

Important Notes

- Video and photo playback is **disabled while driving**.
- The vehicle must be completely stopped and the **parking brake engaged** for viewing to be enabled.

Chapter 13 DAB Plus (DAB Plus App)

The DAB+ app comes pre-installed on all A7 Android head units. For models **without a “D” in the model number**, a compatible external USB DAB+ receiver (DAB+ Box) is required to enable digital radio reception. DAB/DAB+ provides high-quality digital broadcasts with minimal interference, delivering clearer sound and more available stations compared to traditional FM radio.

Note:

- A7 units with a **“D” in the model** include a **built-in DAB+ module** and must be used with the **dedicated DAB antenna**.
- Models **without a “D”** do **not** include an internal DAB+ module and require purchasing the external DAB+ receiver box **AC-4475** separately.

Main Features

- 1. Digital Audio Broadcast Reception:** Receives DAB/DAB+ signals for stable, high-quality digital audio playback.
- 2. Grouped Browsing:** Stations are grouped by service type (e.g., News, Pop Music, Sports) for easier browsing.
- 3. Signal Strength Display:** Shows the signal strength of the current station to help find the best reception area.
- 4. Program Information Display:** Displays station logo, signal strength, station name, Ensemble, frequency, and PTY (Program Type), depending on broadcaster data.
- 5. DLS Scrolling Information:** Real-time text info (current program, song title, news snippets) scrolls across the screen.
- 6. Preset Favorites Function:** Save favorite stations to a preset list for quick access.

Required Accessory

- A compatible DAB+ USB receiver is required.
- Use the ATOTO AC-4475 USB DAB+ receiver (DAB+ Box) (sold separately).

Note: The A7 is not compatible with third-party DAB+ receivers.

Operation Steps

Step 01: Connect the DAB+ Receiver (DAB+ Box)

- Plug the ATOTO AC-4475 USB DAB+ receiver into any USB port on the A7.
- Scan the QR code below and select the product model to view detailed instructions.



Step 02: Launch the DAB+ App

- Navigation to **Home Screen > App Drawer > DAB+ App**.
- Tap the app icon to launch the application.

Step 03: Full-Band Background Scanning

- The system automatically scans all digital radio frequencies in the region (covering multiple Ensembles).
- Found channels are saved to the channel list.

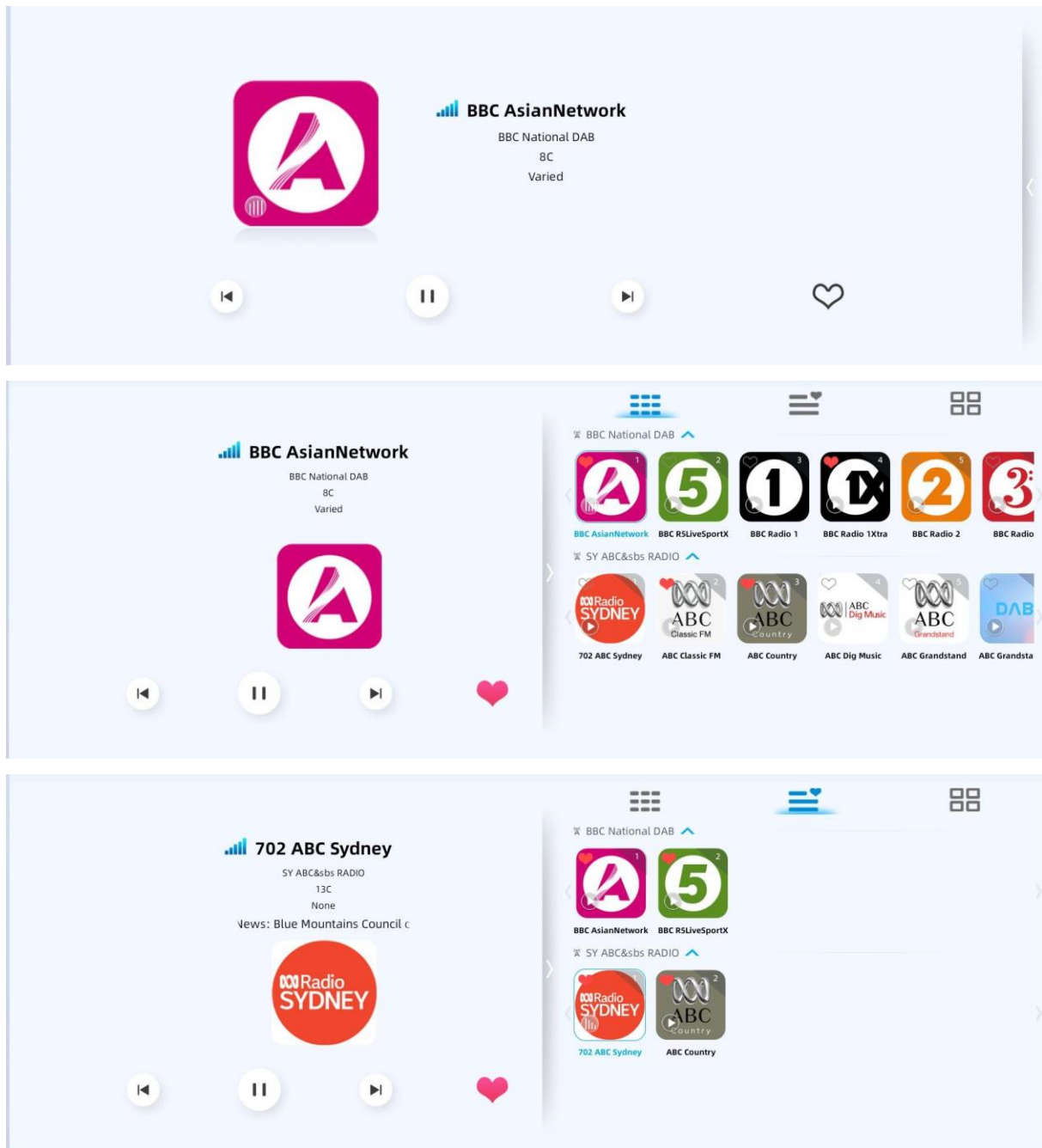
Note: Scanning may take several minutes.

Step 04: Browse and Listen

- Tap the “<” icon to expand the channel list.
- Browse and tap any station to play.
- Features include station switching, favoriting, and viewing signal strength.

Step 05: Playback Controls

- **Play/Pause:** Tap the Play or Pause button.
- **Switch Stations:** Tap Previous or Next.
- **Favorite/Unfavorite Station:** Tap the heart icon.
- **Expand Ensemble List:** Tap the “^” icon to view all stations in a broadcast service group.



Important Notes:

1. Ensure the head unit is connected to a compatible DAB+ Box before using the DAB+ app.
2. DAB+ service is only available in Europe, Australia, and the UK. Verify local availability before use.
3. If no stations are received, try moving the vehicle or relocating the DAB+ Box to improve signal reception.

Chapter 14 Files Manager App (Files App)

This app functions like a file manager on your smartphone or computer, allowing easy management

of files stored on the A7 head unit and connected devices. With an intuitive interface, you can browse, organize, copy, and delete files from internal storage, USB drives, microSD cards, and more.

Operation Steps

Navigation Path: Home Screen > App Drawer > FileManager App

1. Manage Local Files

Step 01: Open the FileManager app.

Step 02: Browse, organize, copy, and delete files as needed.

2. Manage Files on an External Storage Device (Example: USB Flash Drive)

Step 01: Insert the USB flash drive into the A7 head unit's USB port.

Step 02: Open the FileManager app.

Step 03: Locate and tap the **USB (F)** folder to open the file management page.

Step 04: Browse, organize, copy, or delete files as needed.

Step 05: Once finished, safely unplug the USB flash drive.

3. Transfer Files from an External Storage Device to A7 (Example: USB Flash Drive)

Step 01: Insert the USB flash drive into the A7 head unit's USB port.

Step 02: Open the FileManager app.

Step 03: Locate and tap the **USB (F)** folder to open the file management page.

Step 04: Select a file you want to transfer. A check mark will appear next to selected files.

Step 05: Use the action bar at the bottom. Tap **Copy** or **Cut** to transfer the selected file.

Step 06: In the sidebar, choose a destination folder (**Internal** or **Photo Folder**).

Step 07: Tap your chosen folder, then tap **Paste** to complete the transfer.

Step 08: When finished, safely unplug the USB flash drive.

Note: To transfer files from the A7 to a USB drive, follow the same steps but switch the selection source and destination.

Chapter 15 USB/Micro SD Card Playback

The chapter introduces that the A7 Android head unit supports local media playback via USB ports and Micro SD card slots, enabling direct access to various media files (Document / Photo / Audio / Video files) stored on external storage devices. Users can simply insert their USB drives or Micro SD cards into the corresponding interfaces to conveniently browse and play content, significantly enhancing both entertainment options and information accessibility during journeys.

Navigation Path: Navigate to **Home Screen > App Drawer > Files Manger App**

Note: Using a USB flash drive as an example; the steps are similar for other external storage devices.

Step 01: Insert the USB Flash Drive.

Insert the USB flash drive into the USB port of the A7 Android head unit.

Step 02: Launch the File Explorer App.

Tap the Files Manager App icon to open the corresponding interface, and the interface will display a list of available storage sources, such as:

- Local Storage
- USB Storage

Step 03: Browse Storage Devices.

From the opened interface, tap the(USB flash drive icon) to open the corresponding window and view its file contents. All folders and files are displayed in a standard directory structure.

Step 04: View or Play Files.

In the opened interface, you can choose to view or play documents, photos, audio, or video files.

Step 05: Disconnect USB Safely.

Before physically removing the USB device:

1. Pause or stop playback
2. Return to the home screen or file manager
3. Ensure the USB device is not being accessed to prevent data corruption

Important Note:

1. Certain high-bitrate or professional video codecs may not be supported.
2. Watching video or photos while driving is against Federal, State, and Local laws.
3. Do not use features of this A7 Android head unit if it cannot be operated safely and legally in your location.
4. Video and photos cannot be viewed while driving. The vehicle must be stationary and the parking brake applied to enable viewing.

Chapter 16 Music App

The **Music App** is a built-in audio player on the A7 Android head unit. It allows you to enjoy music stored on a USB drive, MicroSD card, or the unit's internal storage. Designed for the large touchscreen, it provides smooth operation and a rich in-car listening experience. Key features include:

- Supports multiple audio formats including MP3, WMA, FLAC, APE, WAV.
- Automatically detects music files from external storage.
- Provides folder browsing and categorized display.
- Supports playback modes such as sequential, shuffle, and single-track loop.
- Supports lyrics display and album cover art (depending on file metadata)
- Supports background playback and steering wheel control (if configured)

Operation Steps

Step 01: Insert a Storage Device

Insert a USB drive or MicroSD card containing audio files into the corresponding port of the A7 Android head unit system. The system will automatically scan and detect the music files.

Step 02: Launch the Music Player

Navigate to **Home Screen > App Drawer > Music Player App**. Tap to launch the Music Player app and open the corresponding interface.

Step 03: Select a Playback Source and Music File to Play

In the interface, select the corresponding storage device (e.g., "USB (F)," "SD," "Local"). Browse folders or categorized lists and tap any song to start playback.

Step 04: Playback Controls

In the music playback interface, tap the screen to display playback controls.

- To play/pause, tap **Play** or **Pause** button to play or pause the current song.
- To switch songs, tap **Previous** or **Next** button to switch to the previous or next song.
- To change the playback mode, tap the **Playback Mode** button to switch between sequential, shuffle, or single-track loop modes.
- To adjust the song playback progress, drag the progress bar to fast-forward or rewind the current song.

Chapter 17 Video App

The **Video App** is a pre-installed local video playback application on the A7 Android head unit. It supports playing video files from USB drives, MicroSD cards, or local storage. Optimized for the A7 Android head unit's large display screen and touch operation, it supports multiple video formats and high-definition playback, meeting in-car entertainment needs while parked or resting.

Key features

1. Supports multiple video formats: MP4, AVI, MKV, MOV, 3GP, FLV, and more.
2. Automatically scans and detects video files on external devices.
3. Provides folder browsing and categorized display.
4. Offers playback-mode switching: single-video loop / play-all videos.
5. Allows full-screen / windowed playback mode switching.
6. Remembers playback position (resume from last point).
7. Includes basic controls such as fast-forward/rewind, pause/play, and progress slider.
8. Supports subtitle loading (e.g., .srt) and cover-art recognition.

Operation Steps

Step 01: Insert a Storage Device

- Insert a USB drive or MicroSD card containing video files into the head unit.
- The system will automatically detect and load the media content.

Step 02: Launch the Video App

- Navigate to **Home Screen > App Drawer > Video App**.
- Tap the app icon to open the video playback interface.

Step 03: Select Source and Video

- Choose the storage location (USB (F), SD, or Internal Storage).
- Browse folders and tap a video file to start playback.

Step 04: Playback Controls

- Play/Pause: Tap **Play** or **Pause** button to play or pause the current video.
- Switch Videos: Tap **Previous** or **Next** button to switch to the previous or next video.
- Full-screen/Window Mode: Tap the **Full-Screen** or **Window** button o at the top right corner of the screen to toggle display modes.
- Playback Mode: Tap the **Playback Mode** button to switch among:
 - Single-Video Loop (repeats the current video)
 - Play-All Videos (the next video starts automatically after the current one)
 - Shuffle (a random video will play after the current one).
- Playback Progress: Drag the progress bar to fast-forward or rewind the video.

Chapter 18 Split Screen

Split Screen allows users to run and view two applications simultaneously on the A7 Android head unit. This feature enables true multitasking—for example, using navigation while playing music or browsing the internet—without frequently switching between apps. This improves both operating efficiency and driving convenience.

Main Features

1. Supports displaying two apps on the same screen at the same time without interference.
2. Allows users to adjust the size of the two windows by dragging the divider bar.
3. Offers quick methods to switch between apps or exit split-screen mode.
4. Compatible with many native and third-party apps (depending on whether the app itself supports split-screen mode).

Note: Split Screen is only available on Android car systems that support this feature and can only be

used with apps that allow split-screen display.

Operation Steps

Note: The following example is for reference.

Navigation Path

Home Screen > Status Bar > **Recent Apps Button (Square Icon)**

Step 01: Open the Recent Apps Screen

Tap the Recent Apps button (square icon) to open the list of recently used applications.

Step 02: Locate the Split Screen Option

Tap the **three-dot icon** on the top-right corner of the app card. Select Split to Left or Split to Right to move the current app to one side.

If the Split option is displayed, it means the app supports Split Screen mode.

Step 03: Select Another App

After the first app moves to one side, select a second app from the Recent Apps list to occupy the other half of the screen.

Once Split Screen mode is active, you can:

1. **Adjust window size:** Drag the divider bar in the middle to change the display ratio of the two app windows.
2. **Exit Split Screen:** Drag the divider bar all the way to the left or right to return to full-screen (single app) mode.

Chapter 19 Camera Input

The A7 Android head unit supports multiple camera input sources, including **DVR (Front/Rear Recording Cameras)** and **USB Driving Video Recorders (DVR CAM)**. The DVR system on the A7 supports **single-channel recording**, allowing users to manually switch between the **front** and **rear** camera feeds as needed. This provides flexible monitoring while maintaining clear, stable video footage.

Supported Camera Types and Functions

1. DVR Camera (Single-Channel Recording/Front & Rear View Camera)

- Only records **one camera feed at a time**.
- Users can manually switch between **Front View Camera** and **Rear View Camera**

2. Front Camera (FCAM)

- Captures live images in front of the vehicle.
- Assists with driving, parking, and collision avoidance.

3. Rear Camera (RCAM)

- Displays the area behind the vehicle.
- Facilitates reversing and parking maneuvers safely.

4. Driving Safety Enhancement

- Supports multi-channel video display, image switching, and video recording.
- Improves the intelligence and safety of driving with real-time monitoring.

Note: Only officially designated ATOTO cameras are supported

- Front Camera: ATOTO AC-FCR04W
- Rear Camera: ATOTO AC-RCR04W

19.1 DVR (Single-Channel Recording)

The DVR function of the A7 supports **single-channel video recording**. Users can manually switch between **front** and **rear** cameras for flexible driving or parking monitoring. When used with the official ATOTO AC-FCR04W (Front) and AC-RCR04W (Rear) cameras, the system provides clear and stable video recording.

Extension Cable Lengths

- Front Recording Camera: 3.5 meters
- Rear Recording Camera: 8 meters

Key Functions

1. Single-Channel Recording

- Records only front/rear view in real time.
- Supports 1080P AHD resolution for both channels.

2. GPS-Tagged Recording

Captures video with GPS coordinates, letting you track exact driving locations.

4. Auto Start & Loop Recording

- Begins recording automatically when a USB drive is inserted into the DVR-dedicated Recording Storage Cable's USB port.
- Supports loop recording (old files are overwritten by new ones).
- Important: Format the USB drive before first use. If recording fails, reformat and try again.

5. Anti-Glare (Strong Light Suppression)

Maintains clarity when facing bright sunlight or intense night lighting.

- Captures important details such as license plates under challenging conditions.

6. Wide-Angle Coverage

Both cameras feature a 150° viewing angle for broader road coverage.

7. Night Vision

Enhanced low-light performance ensures visibility of license plates, road signs, and garage areas.

8. IP67 Waterproof Rear Camera

- Withstands immersion in up to 1 meter of water for 30 minutes.
- Resists heavy rain and snow, ensuring reliable outdoor use.

9. Real-Time Rear View

Automatically switches to the rear camera feed when the gear is shifted to R (Reverse).

10. Wide Dynamic Range (WDR)

Enhances video quality in backlit or high-contrast environments, capturing finer details.

11. Manual Video Locking

- Protects important footage from being overwritten.
- Locked videos can serve as strong evidence in the event of an incident.

Required Accessories

- ATOTO AC-FCR04W Front Recording Camera (sold separately)
- ATOTO AC-RCR04W Rear Recording Camera (sold separately)

DVR App Integration

The A8 comes with a pre-installed **DVR** application, specifically designed for:

- Connecting and managing front/rear recording cameras.
- Previewing and recording live video feeds.
- Playing back recorded footage for review.

This makes it easier to manage driving safety, monitor video recordings, and secure important evidence directly from the A7 Android head unit.

Operation Steps

Step 1: Understand Camera and DVR App Usage

- Scan the QR code below and select **AC-FCR04W** model to view detailed instructions.



- Scan the QR code below and select **AC-RCR04W** model to view detailed instructions.



Step 2: Connect USB 3.0 Card Reader with TF Card

- Insert the included 2-in-1 USB cable (for external storage & phone link) into the USB port on the rear panel of the A7 head unit.
- Plug a USB 3.0 card reader with TF card (TF card not included) into the USB port of the USB recording storage cable.

Notes:

1. The A7 USB port also supports direct connection of a USB 3.0 card reader with a TF card.
2. Recommended DVR setup:
 - Connect the USB 3.0 card reader with TF card to the A7 via the designated USB port.
 - Use the USB recording storage cable (from the 2-in-1 cable) to connect the dedicated DVR.
 - This ensures stable data transfer and reliable recording performance.

3. If the card reader is not formatted, a prompt will appear. Tap **OK** to format. Backup all data first, as formatting will erase existing files.

Step 3: View Video Footage

- Go to **Home Screen > App Drawer > DVR App**.
- Tap the DVR app icon to view the video footage from the front and rear recording cameras.

Step 4: Switch Front and Rear Camera Views

- Tap the mini window (top-left corner of the screen) to switch views:
 - Front camera → large window
 - Rear camera → small window
- Tap again to swap the display.



Step 5: Review Recordings

- Tap the **List** icon to access saved content:
 - Recorded videos
 - Captured photos
 - Locked (protected) video files

19.2 DVR CAM

The DVR CAM function works with a USB driving recorder to improve driving safety, capture accident evidence, and record trips.

For the best performance, we recommend pairing your A8 with **ATOTO's dedicated front and rear recording cameras (AC-FCR04W / AC-RCR04W, sold separately)**.

Chapter 20 WRC App

The WRC App is a built-in wireless rear camera application on the A7 Android head unit.

(On some models, it may need to be downloaded from the **FindApps Store**.)

It is designed to receive and display real-time video from wireless front, rear, left, or right side cameras, helping drivers gain full awareness of their surroundings and enhancing safety. Using direct Wi-Fi transmission, the WRC App eliminates traditional video cables, simplifying installation while allowing flexible multi-angle viewing.

Key Features

1. Wireless Video Reception

Receives HD video signals from wireless cameras via Wi-Fi with smooth and stable transmission.

2. Multi-Angle View Support

Switch between front, rear, left, and right cameras for 360° monitoring and reduced blind spots

3. Video Display Modes

- **Power Saving Mode:** Enters standby after 60 seconds of inactivity (default)
- **Always On Mode:** continuous camera operation.

4. Multiple Wake-Up Methods

- Wake up the view by:
 - Tapping the screen
 - Pressing the **Wake** button on the receiver box
 - Using voice commands via the **DriveChat** app (if installed)

5. Reverse Assistance

Supports reverse view, parking guide lines, and angle calibration to improve parking safety.

6. Flexible Installation Compatibility

- No video cables required; suitable for sedans, pickups, SUVs, and mini RVs.
- Ideal for vehicles with complex wiring or structural challenges.

Required Accessory:

To use the WRC function, the ATOTO WR2-12HDLR Wireless Rear View Camera (sold separately) is required.

Software:

- The A7 includes the **WRC App** pre-installed.
- On some models, it may need to be downloaded from the **FindApps Store**.
- Once paired with the **WR2-12HDLR wireless rear camera (sold separately)**, the A8 displays real-

time rear view.

Operation Steps

Step 1: Learn Camera Details

Scan the provided QR code and select **WR2-12HDLR** model to view detailed instructions.



Step 2: Preview Real-Time View

- Navigate to **Home Screen > App Drawer > WRC App**.
- Tap the WRC app icon to view the real-time feed from the WR2-12HDLR wireless rear camera on the A7 display.

Chapter 21 LumiAuto APP (Ambient Lighting Control)

The LumiAuto App allows you to control the **ATOTO CI-FLT01 Interior Footwell Lights (sold separately)** for personalized in-car ambient lighting. You can manage lighting effects either from the A7 Android head unit (pre-installed LumiAuto app) or your smartphone (download required).

1. Key Features

Lighting Modes

- Solid Color Mode: Choose any color from the full RGB spectrum.
- Multi-Color Mode: Access dynamic effects such as breathing, gradient, or strobe.

Customization & Synchronization

- Adjustable Brightness: Independently set the front and rear brightness levels
- Music Sync: Lights pulse & shift with your music (Bluetooth or local playback)
- Scene-Based Ambience: Save and apply presets for different occasions (e.g., relaxed evening, road trip).

Control Options

- Via Head Unit: Open the LumiAuto app from the A7 screen and adjust settings.
- Via Smartphone: Download the LumiAuto app to make remote adjustments & manage saved profiles.

2. Functionality Overview

The LumiAuto app lets you adjust color, brightness, and lighting modes of the CI-FLT01 lights, enhancing your in-car ambiance to match your preferences.

3. Requirements

- **Accessory:** ATOTO CI-FLT01 Interior Footwell Lights (sold separately).
- **Software:**
 - **A7 Head Unit:** Pre-installed LumiAuto app.
 - **Smartphone:** Download the LumiAuto app (Currently optimized for Android; iOS version coming soon.)

4. Setup & Usage

For installation and detailed instructions, scan the provided QR code and select **CI-FLT01** model.



Chapter 22 TPMS (Tire Pressure Monitoring System) App

The TPMS App provides real-time monitoring of tire pressure and temperature. If it detects abnormalities such as overinflation, underinflation, or unusual temperature rise, it immediately alerts the driver, helping prevent tire blowouts and improving driving safety.

1. Requirements

- Accessory: ATOTO AC-UTP1 TPMS (sold separately).
- Software: The A7 head unit includes a pre-installed TPMS app. Once paired with the AC-UTP1 TPMS, it will continuously display tire pressure and temperature.

2. Functionality Overview

- Real-time monitoring of tire pressure and temperature.
- Automatic alerts in case of abnormal readings.
- Enhanced driving safety and reduced risk of hazardous tire-related incidents.

3. Setup & Usage:

For installation and detailed usage instructions, scan the QR code below and select **AC-UTP1** model.



Chapter 23 Torque App

The Torque App is a third-party automotive diagnostic tool for Android, designed to work with OBD II Bluetooth diagnostic interfaces. When installed on the A7 Android head unit, it provides real-time data from the vehicle's ECU (Engine Control Unit), enabling users to monitor vehicle status, perform diagnostics, and analyze performance.

1. Requirements

- Accessory: ATOTO AC-4450 Mini OBD II Diagnostic Scanner (sold separately).
- Software: The A7 head unit includes a pre-installed Torque app, which works once paired with the AC-4450 scanner.

2. Functionality Overview

- Monitor engine operating conditions in real-time.

- View live sensor data and system performance.
- Perform fault diagnostics and clear fault codes.
- Analyze vehicle performance trends.

3. Setup & Usage

For installation and detailed instructions, scan the QR code below and select **AC-4450** model.



FCC Warning:

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 or more 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: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.