



**OWNER'S**

**MANUAL**



# **AMV-2032T5**

## **Android Multimedia Receiver**

**WARNING!**

PLEASE READ CAREFULLY BEFORE USING

## **Product Features :**

- 1. Model No : AMV-2032T5**
- 2. Description : Android Multimedia Receiver**
- 3. CPU : 4-CORE, A-53 Processor**
- 4. HD Resolution : 1080\*600**
- 5. 9 Inch IPS Screen**
- 6. 2.5D Capacitive Screen**
- 7. Android 10 Version**
- 8. Genuine 2GB RAM 32GB ROM**
- 9. Mosfet Power Amp – 4 X 48W High Grade Amplifier for better sound quality**
- 10. Real DSP Audio Processing 32 Band EQ, Cross over setting, Time Alignment, HPF, LPF, Gain Control**
- 11. Built IN Bluetooth with External Mic**
- 12. Built in Bluetooth AD2P**
- 13. Bluetooth Music Playback**
- 14. USB Playback**
- 15. 1-DIN Back panel with RCA IN/OUT**
- 16. 3 RCA Pre out, 1 Front L/R, 1 Rear L/R, Subwoofer Out**
- 17. 2 Video in for Rear/Front View Camera, Displays Split Image ( Software Change is required)**
- 18. Support 360 Degree Camera - Default**
- 19. 2 Video out for Rear Seat Monitors**
- 20. Mirroring for Android/IOS using Eazy connect App**
- 21. Apple Car Play – Wired and Wireless using T-Link**
- 22. Android Audio – Wired Using T-link**
- 23. 2 USB cable, Separate for Car play/Android Audio**
- 24. Wi Fi Built in**
- 25. Pre Installed YouTube, Google Maps**
- 26. 1 Year Warranty**



# General Specifications

## General

Working supply voltage:	12 V (allowable limits 9.6 - 15 V)
Fuse:	15 A
Maximum output power:	4 x 48W (4 Ohms)
Rated output power:	4 x 28 W (4 Ohm)
Speaker Impedance:	2 - 8 ohm
Frequency response:	20 Hz - 20 kHz
Display viewing angle:	vertical $\pm 30^\circ$ , horizontal $\pm 15^\circ$
Line output (RCA):	6-channel (3 pairs)
RCA output level:	3.5V
Maximum current consumption:	15 A
Temperature (working):	From 0°C to +60°C
Humidity (working):	from 45% to 80%

## USB

Supported media:	USB
Supported formats:	FLAC, WAV, APE, AAC, MP3
File system:	FAT16, FAT32
USB:	USB 2.0, USB 3.0, up to 64Gb
ID3 Tag support:	English

## Bluetooth

Version:	4.2
Profiles:	A2DP, AVRCP, HFP
Frequency:	2,4 GHz

## Radio FM (VHF)

Radio tuning memory:	18 FM,
FM frequency range:	87.5 - 108.0 MH
Antenna impedance:	75 ohm

## AUX IN

Audio input level:	500 mV (maximum 2 V)
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# Package bundle

Open the package and make sure that inside are:

1. Multimedia receiver - 1 Pc, GPS Antenna - 1 Pc, Cable Connector - 1 Pc
2. Instruction Manual - 1 Pc
3. Warranty card. - 1 Pc

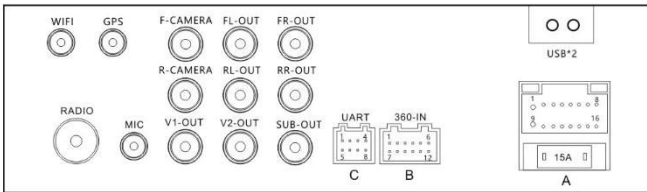
# Wiring Connection



## In-vehicle Multimedia Navigation System

AMV-2032T5

DC 12V Output Power: 4\*48W Current≤15A



A:POWER/AMP OUT/KEY			
1	GND	9	BATT+
2	ACC	10	ILLUMI+
3	REVERS	11	KEY2
4	KEY1	12	ANT_COUNT
5	FRONT_R (-)	13	REAR_L (-)
6	FRONT_R (+)	14	REAR_L (+)
7	FRONT_L (-)	15	REAR_R (+)
8	FRONT_L (+)	16	REAR_R (-)



F-CAMERA : FRONT-CAMERA  
R-CAMERA : REAR\_CAMERA  
V1-OUT: VIDEO-OUT1  
V2-OUT: VIDEO-OUT2  
FL-OUT : FRONT LEFT-OUT  
FR-OUT : FRONT RIGHT-OUT  
RL-OUT : REAR LEFT-OUT  
RR-OUT : REAR RIGHT-OUT  
SUB-OUT: SUBWOOFER-OUT

C:UART	
1	GND
4	CAN_TXD
8	CAN_RXD

B:360-IN			
1	LEFT_TURN	7	RIGHT_TURN
2	GND	8	FRONT_AND
3	GND	9	RIGHT_AND
4	GND	10	REAR_AND
5	GND	11	LEFT_AND
6	+5V	12	+5V

# Directory

## The first module: basic functions

- 1.1 Turn on and turn off 1.2 Screen function buttons
- 1.3 Home and application pages 1.4 Boot logo setting
- 1.5 Drop-down menu and status bar

## The second module: main functions

- 2.1 Navigation function 2.2 Radio
- 2.3 Bluetooth function 2.4 Music
- 2.5 Video
- 2.6 Equalizer
- 2.7 AUX IN 2.8 Easyconnect
- 2.9 360 panoramic camera
- 2.10 Themes

## The third module: setting related






- 3.1 Sound settings 3.2 Date and time
- 3. Switch input method
- 4. Steering wheel learning

## FRONT PANEL

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## Function Operations & Controls

- |   |  |
|---|--|
| 1. MIC  | Microphone: Voice receiving position   |
| 2. RST  | Reset button: restores to factory settings.  |
| 3. Power    | In the power-on state:<br>Press to Attn for Mute<br>Press and hold for more than 1 seconds to turn off the screen. |
| 4. Home    | Press to enter main menu.  |
| 5. Return  | Press to back to previous.   |
| 6. Volume  | Short press to increase volume.  |
| 7. Volume  | Short press to decrease volume.  |






## The first module: basic functions

### 1. Turn on and turn off

Turn on	Turn on the ACC power supply on the car, automatically power on, display the boot LOGO animation
Turn off	Turn off the ACC power supply on the car and automatically shut down

### 1.2 Screen function buttons



	Power	Long press to turn off the screen. Short press to mute
	HOME	return to home page
	Back	Return to the previous interface
	Volume up	Click volume +1
	Volume down	Click volume -1

### 1.3 Home and application pages

1 Swipe left or right to switch between different pages.

2 Click  to enter the application interface, as shown in Figure 1.2.

3 Long press the homepage application icon to change application binding, modify application icon and name.



Figure 1.1



Figure 1.2

## 4. Boot logo setting

Import boot logo: copy the logo image in PNG format with the corresponding resolution to the root directory of the car machine or USB flash drive, enter the [LOGO settings] directory, slide from right to left, the imported logo is displayed at the end

## 5. Drop-down menu and status bar

Touch the screen and drag down to pop up the drop-down menu, as shown in Figure 1.3. The functions of the vehicle status bar and drop-down menu are as follows:



Figure 1.3

Tips:  
AUX and reversing interface--click the menu button to pop up the adjustment window

	WiFi, long press to enter WiFi interface, short press to open WiFi
	Screensavers, Click to enter the screensaver page
	Setting, click to enter the setting interface
	Floating button, display floating icon after opening
	Menu, AUX and reversing parameter adjustment window
	Clean up memory, clean up running memory
	Take a screenshot; click to save the screenshot automatically
	a pop-up prompts whether to confirm restart
	Brightness, slide to adjust
	Volume, slide to adjust
	Home, return to home page
	History record, all running applications will be displayed
	Back, return to the previous interface

## The second module: main functions

### 2.1 Navigation

Tap the icon on the main interface to enter the map interface

#### 2.1.2 Copy and installation of map

1 Copy the map data package to the U disk-application menu-open [File Manager], open the "USB" path in the left directory → check the data package → copy (Figure 2.1) → switch to "Flash" → paste → copy Install the navigation APK after completion (Figure 2.2)



Figure 2.1



Figure 2.2

2 Network installation (need to be connected to the network):

Application interface--find "play Store"--create and log in to an account--search for the map name and click to download

3 Navigation boot setting steps:

- ① Settings → Vehicle settings → Navigation start up, set to open. 360 boot to start, set to close
- ② Long press the navigation icon on the homepage to bind the map application.



## 2.2 Radio

Click the radio function to enter the radio interface:



Figure 2.3

	Store stations		Signal, Long range/short range
	High frequency/low frequency direction sweep		Equalizer
	FM / AM mode switch		High frequency/low frequency stepping.

## 3. Bluetooth

Tap the on the homepage to enter the Bluetooth interface.

### 1. Paired devices

1 When the connection is not paired, you can only enter the setting and search interface. 2 on the Bluetooth pairing interface,click to find nearby Bluetooth devices,select the name that needs to be paired, the phone will popup a PINcode box, enter it topair successfully,after the pairing is successful,the device name suffix will display an icon

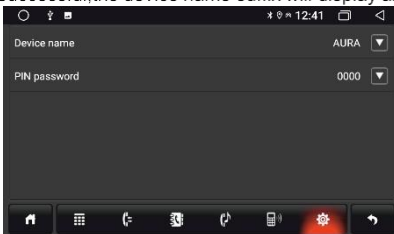


Figure 2.4

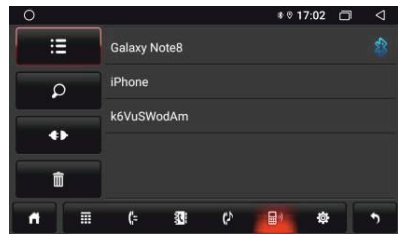


Figure 2.5

### 2.3.2 Bluetooth address book

Click to enter the Bluetooth address book interface



Figure 2.7

	mobile phone book
	SIM card phone book
	Download button
	Detete phonebook

Find a contact: click on the phone book icon-pop up the search box-input phone number, name to find

### 2.3.3 Dial and call

1 Click to enter the dialing interface, and enter the number to be dialed

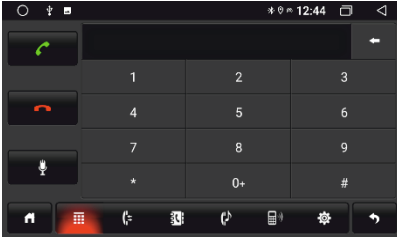


Figure 2.8

	Dial button
	End current call
	Delete phone number digit by digit
	Sound channel(phone/car)

Bluetooth music selection call loginterface selection .

## 2.4 Music

Tap the icon to enter the music playback interface.



Figure 2.9

	Random play; off by default
	List loop/single loop
	Previous song/next song
	Pause/resume playback
	Equalizer

## 2.5 Video

Tap the video icon to enter the music playback interface.



	Previous song/next song
	Pause/resume playback
	Rewind/fast forward
	Full screen/half screen

## 6. DSP Equalizer (EQ)

Tap the icon, or click **EQ** on the radio or music interface to enter the eq ualizer setting interface.

### 1. Equalizer and sound field settings

1 8 types of sound effects

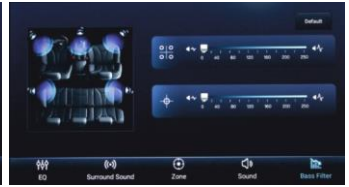
2 Sound field setting can adjust the ratio of bass to loudness, and the sound level in four directions



Figure 2.11



Figure 2.12



## 2.7 Aux In

1 No video input, interface display: no video signal 2

Connect the signal and display the video screen

3 returns to the previous interface, returns to the main interface, and hides it after timeout



Figure 2.13

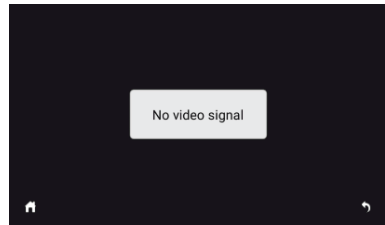


Figure 2.14

## 2.8 Easyconnect

1 Note: You need to activate before using Easy connect, otherwise it cannot be used; at the same time, your mobile phone must download Easy connect APP

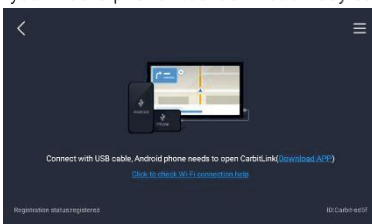


Figure 2.15



Figure 2.16

### 2.8.1 iPhone USB connection

1 Easyconnect needs to pair with Bluetooth, otherwise the sound will be output from the mobile phone.

2 Connect the car with an Apple data cable--open Easyconnect → click "iPhone USB". --Open the Easyconnect driving application on the mobile phone--The car will pop up a connection request--click to confirm the connection, and the Android phone is used in the same way as above.

## 2.9 360 panoramic camera

1 The product collects the images around the vehicle through four ultra wide angle cameras installed in the front and rear of the vehicle body, and processes the images through the proprietary "real-time image restoration docking technology", such as image restoration » perspective conversion» image splitti » image enhancement, to form a seamless panoramic view.

Not only the panorama can be displayed, but also the single view in any direction can be displayed at the same time .

2 360 includes four settings: basic setting, vehicle model setting, engineering setting and correction setting. Among them, engineering setting and correction setting need to enter -- 4321 by entering password. Please do not change the parameters in these two settings at will, which may lead to 360 screen blurring, stretching, incomplete and other problems.

3 Warm tip: view recorded video and photo -> application menu [file manager] -> corresponding U disk -> [DCIM] folder.[Photo] represents a picture. [camera] means video.

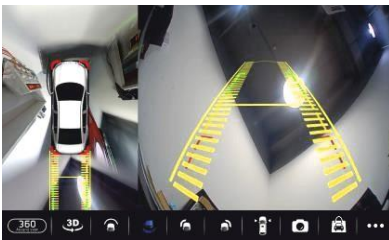


Figure 2.17

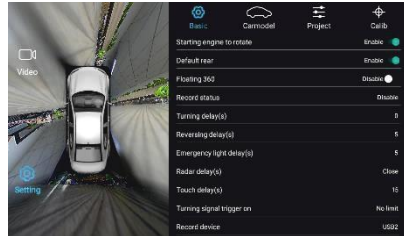













Figure 2.18

-  front view. Original image, corrected image, 3D switch
-  Rear view.same as front view
-  Left view. 2D/3D switch
-  Right view. 2D/3D switch
-  Limited width mode / narrow track mode

-  3D mode. Click to enter 3D interface
-  photograph. saved in U disk
-  User logo. Pictures can be changed
-  Car model mall. Buy car model
-  ore. 360 settings

## 2.9 Themes

Tap the  icon to enter the Theme page a car desktop software designed based on the car driving environment according to the usage habits of car users. Contains diversified theme desktops and dynamic screensavers. And external import function

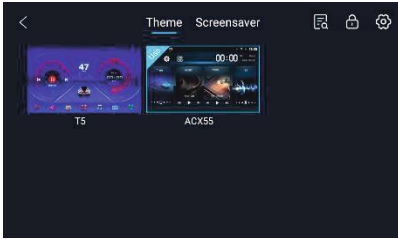


Figure 2.19

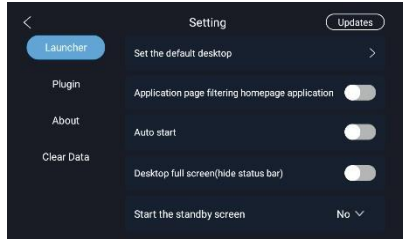


Figure 2.20

## The third module: setting related

### 3.1 Sound settings

#### 3.2.1 Reversing mute: Tick, no sound output when reversing. 3.2.2

##### Navigation volume

1. Navigation: Swipe left and right to set the sound size, then navigate after setting to have effect
2. background music: slide left and right to set the sound size. For example: playing music while navigating, the smaller the adjustment, the smaller the music sound.

#### 3.2.3 Device ringtone: After setting, the corresponding ringtone will ring when Bluetooth calls

## 2. Date and time

1. The machine can automatically determine the date and time (network connection required), or manually set the date, time, time zone, and format.
2. Set → date and time, turn off automatic date and time, you can set the time manually Tip: You can set the time zone and time format as needed.

## 3. Switching input method

1. Settings → Language and input method → Virtual keyboard → Manage keyboard, close unused, open to use.
2. download and install the input method - application interface - open the input method interface settings, you can download in the "car must install market".
3. The input method of the machine supports voice operation. Click the voice button on the input method interface to describe the content that needs to be input. The input method will automatically recognize and input.

## 4. Steering wheel learning

1. The square control interface is only for vehicles without the CAN protocol The high-equipped car analyzes the original car controller through CAN, without manual learning. 3.4.2 Open the settings--vehicle settings--the steering wheel button--click [Start]--click the button you want to learn--press the corresponding button on the car steering wheel.

If the learning is successful, the buttons on the square control interface will have corresponding color changes. Learn other buttons in the same way

#### 3.4.3 Click [End] and the square control setting process ends.

Note: If you want to relearn, first click [Start] and then click [Clear].

# Additional DSP SETTINGS

## DSP Audio Setting



1. Press [ Home ] on the panel to enter the homepage.
2. Click [ DSP ] to enter the DSP setting interface.

Frequency control point: 32 segment EQ, can be adjusted according to their preferred frequency.

Each period of equalizer of center frequency points can be arbitrary set before 20-20 KHZ.

Each section of the equalizer Q value can be adjustable before 0.4-12.

Audio mode: Custom, Standard, Pop, Rock, Classical, Jazz.

U1,U2,U3 function: Custom EQ type, long press U1, U2, U3 button can save to the current setting.

## DSP – Loudness, Vocal, High Frequency setting..

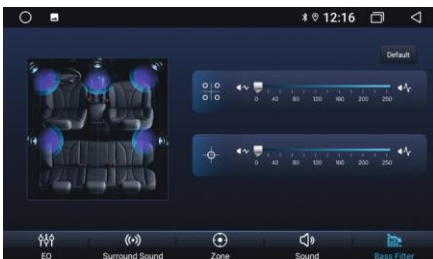


Loudness Control, High Frequency, Vocal, Treble, Can be adjusted with pass, low and through setting..

**Listening bit pattern:** Full vehicle mode, driving mode, co-driver mode, user mode, you can also manually add or subtract the listening position adjustment, MS and CM is the unit conversion to adjust the listening position distance.

**Delay:** Support 8 channel 0-12 ms delay Settings .

## Time Alignment



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