



Volkswagen Car Audio & Video Entertainment System

M-AVM6010



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Please read this guide carefully before using this product and properly keep the guide for future use.

★★★★ Copyright

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Our company reserves the right to improve the product, and its hardware and software.

This manual is an operating guide, but not the warranty of the product. Our company doesn't guarantee the contents included in this manual.

Since we adhere to the strategy of sustainable development, printing error in the manual, incompliance with latest materials, software upgrade, and product improvement may be performed at any time. The product is subject to change without further notice, and revision will be directly edited to the manual of new edition.

Our company reserves the right of final interpretation for the manual.

Precautions

-  To ensure the traffic safety and avoid contravening the traffic regulations, do not watch any program or operate the system during driving.
 -  For safety and correction operation of the product, the product shall be installed by professional. Do not disassemble or repair the product by yourself to avoid an accident or damage to the product.
 -  To avoid electric shock, damage and fire resulting from short-circuit, do not place the product in water or places where are wet.
 -  Since the screen of the product adopts precision electronic structure, do not knock the TFT display to avoid damage to the product.
 -  As for car backing, this system works simply as an assistant tool. Our company is not responsible for any potential car backing accidents.
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NOTE

In order to use the product correctly and safely, please read this manual carefully. Specification and design due to technical improvement are subject to variation without notice!

Please read this manual carefully before using this product and properly keep the manual for future use.



Remark: The above symbol indicates that this product hasn't any harmful material or elements, it is environmental and recyclable, and shouldn't be littered at random.

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Brief Introduction

Thank you for purchasing our high-quality car electronic product. This system is a multi-function car AV entertainment system with a brand-new GUI, which is designed for magotan It combines DVD player, radio, bluetooth communication, navigation (optional), TV (optional), iPod player (externally plugged) and audio power amplifier together.. The system adopts dedicated slot-loading car DVD chip, which can play DVD, VCD, MP3, WMA, MPEG4, JPEG, etc.In addition, the system adopts high-sensitivity FM and AM digital tuner making you master the world's trends and financial information at any time and any place while you are in your car; with 16:9 7" extra-clear TFT LCD, which can adjust brightness of the screen automatically according to the light intensity of outside. The screen angle can be adjusted. Not only wide angle view, but also offering a best visual status all the time as well. With optional reverse radar, reverse camera, NAV, AV and other interfaces for auxiliary functions (reverse radar, reserve camera, NAV, etc., you can use these functions to realize more functions. The structural dimensions of the system conform to the installation dimensions of ISO TWO DIN.

Car electronic product is specially designed, fully intelligent, humanized, and featuring GUI operation; featuring OSD menu, various functions can be realized through function keys on the panel and touch screen, thus realizing perfect HMI and meeting your requirements of comfort. If your cell phone is a Bluetooth cell phone, you can answer your call through the system without picking up your phone.

To correctly install and use the system, please read this manual carefully to understand operations of common functions quickly.

Product Functions

Built-in Functions:

Built-in RADIO, DVD player, TV (if the host unit has a built-in TV module) navigation, Bluetooth hand-free, display and high power amplifier. (external navigation box is optional).

Radio Receiving:

High sensitive AM/FM receiving, could restore 24 stations.

DVD Player:

It could play DVD/VCD/CD/MP3/WMA/JPEG/MPEG4 disc.

USB Port:

It support USB 1.1 and able to play MP3,WMA audio and skim picture.

Display Screen:

Adopt 16:9 TFT high definition LCD.

Touch Screen:

It is convenient to operate the host unit.

Bluetooth Hand-free:

Supports Bluetooth hand-free communication and bluetooth play function.

SD Card Port

For using to read navigation map data card.

(The host unit without built-in NAV module Possess single SD card port, separately Plays audio and video files function).

Caution: Do not plug or unplug the SD card when the system is powered to avoid data loss!

AV Function:

It support AV input of the external equipment.

iPod Play:

It supports music and video from iPod.

Navigation Function (Optional):

An intelligent system capable of intellectually optimizing the best driving route according to the user's destination and guiding the driver smoothly to high-precision graphical display of both the road names of the whole and phonic playing of traffic identification and signs.

Navigation AV and Music Navigation:

When there is no voice navigation indication, you can enjoy the music and watch video normally, thus being happy and relaxed in your trip!

Handwriting for Navigation:

During navigation state, you can enter character by handwriting through the touch screen, thus operating conveniently and quickly.

Mobile GUI:

Complete graphic operation interface, more visual and humanized.

Menu Display:

All operations can display on the screen.

The following is the other function:

Car Backing Display (Optional) :

You can observe the backing condition when you are backing the car by connecting the car backing camera.

Car Backing Sensor (Optional) :

Connect with the car backing radar, the distance detected by sensor is displayed on the TFT high definition LCD, so we can view car-backing status more directly.

EQ Modes:

Standard, Custom, Pop, Rock, Classic, and Jazz.

Audio Output Port:

It has 4 channel and 5.1 channel audio output ports, compatible with the outside amplifier.

Tone Modes:

Features Treble, Mid and Bass adjustments.

Spectrum Display Modes:

6 spectrum modes are available.

Black Screen :

The function is specially set up for prevent intensive light glaring and hindering of normal driving at night.

Display System:

Auto PAL 、 NTSC and SECAM, wide application range, highly compatible.

Auto Memory:

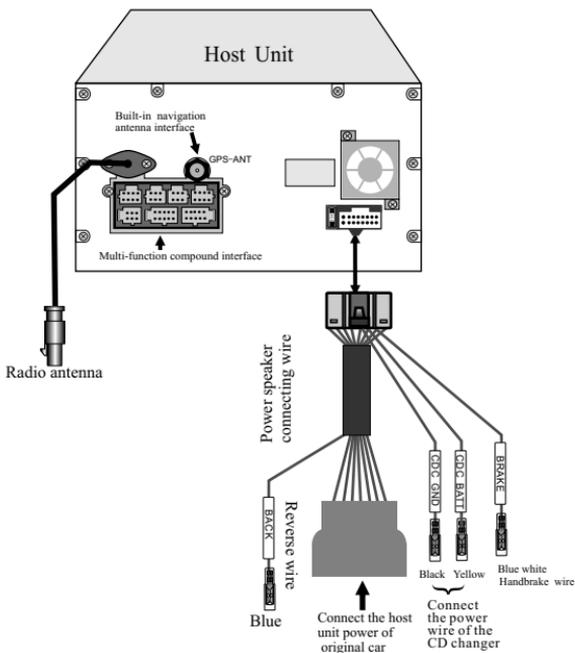
All the set parameters can be memorized and restored automatically.

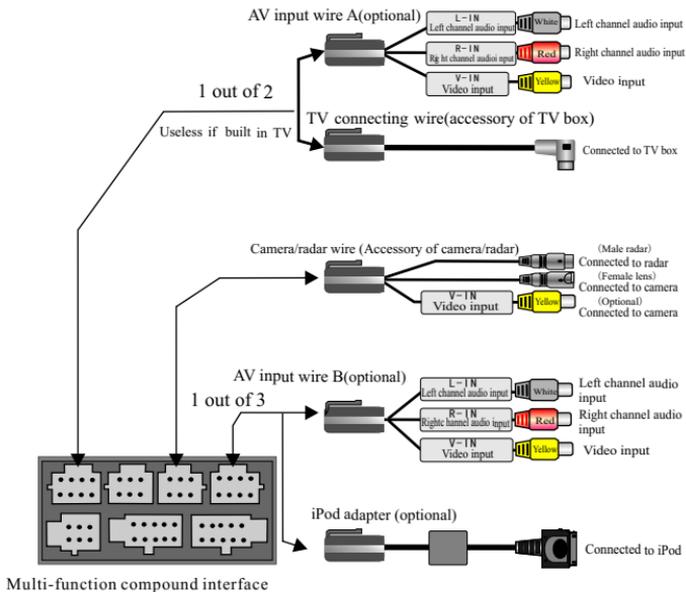
Light-sensitive Function:

When the light-sensitive function is activated, the system will automatically adjust the screen brightness according to the ambient brightness.

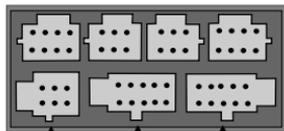
Connection Diagram

- To make the system functions the most perfect, please be strict to connect the wires according to the connection diagram.
- To prevent from short-circuit, please cover the insulation casing of audio and video when they have not been used.
- When you tidy up the down-lead, please don't shelter the cooling fan after installing.





Multi-function compound interface



NAV transferring wire(optional)



Connected to external navigation module

5.1-channel audio output wire



FL-OUT



Front left channel audio output

FR-OUT



Front right channel audio output

RL-OUT



Rear left channel audio output

RR-OUT



Rear right channel audio output

C-OUT



Center channel audio output

SW-OUT



Subwoofer audio output

SPDIF



Digital audio output

AMP C

External amplifier power control wire

AV output wire



L-OUT



Left channel audio input

R-OUT



Right channel audio input

V1-OUT



Video output port 1

V2-OUT



Video output port 2

KEY-CON

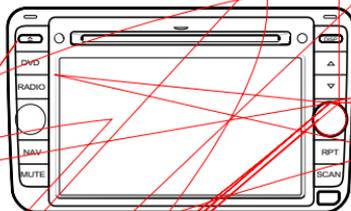
Data control wire

Turn on/off

Insert or pull out the car key to turn on or off the system.

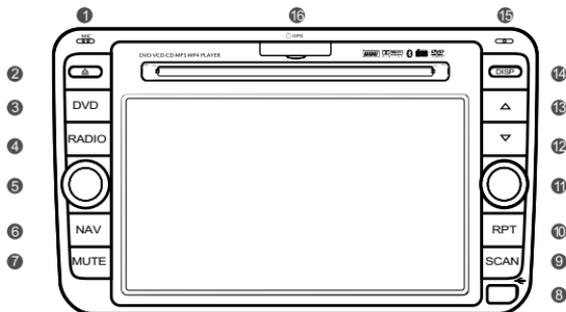
When the system is in standby state, press the left knob on the panel to turn on the system.

When the system is on, press the left knob on the panel to enter standby state.



Volume Adjustment

Descriptions of Buttons



- 1 This is the window used for communication with others when using the bluetooth handfree function.
- 2 Eject/inject button at DVD state. At other mode, press it switch to DVD mode.
- 3 Press it to switch the DVD mode. When it is in DVD state, press it repeatedly to switch the mode among USB /SD/DVD mode in turn.(The host unit with built-in NAV mode haven't SD card music play mode.)
- 4 At other mode, press it switch to radio mode. When it is in radio state, press it repeatedly to switch band among FM1/FM2/FM3/AM in turn.
- 5 When it is on, press this button to enter standby state. when it is in standby state, press this button to turn on the system. Turn the knob to adjust the volume.
- 6 Enter /exit navigation mode.
- 7 Turn on/off volume.
- 8 Connect to portable hard disc.
- 9 When it is in radio or TV state, for automatic station tuning and storing. When it is in DVD or disc changer state, press it to switch the language/sound. (requiring the support of disc).

- 10 When it is in DVD or disc changer state, press it to play repeatedly.
- 11 Press it vertically, and then turn it to adjust the tone.
- 12 When it is in radio state, press this button to select next station.
Press it for a long time to search the station to high-frequency band.
When it is in DVD or disc changer state, press it to select the next song or chapter.
- 13 When it is in radio state, press this button to select previous station.
Press it for a long time to search the station to low-frequency band.
When it is in DVD or disc changer state, press it to select the previous song or chapter.
- 14 When it is on, press the button once to enter night mode, and press it again to enter black screen mode.
- 15 Insert this hole and press the button inside the hole, and the system will be reset to the factory settings.
- 16 This port is used for inserting the map card, When the host unit with the NAV module.
This port is used for inserting the SD card, When the host unit without the NAV module

Steering Wheel Button of the Original Car

Volume adjustment (+)
Next station
Next song

Volume adjustment (-)
previous station
previous song



Mute/refuse

Answer/Steering wheel function
of the switch key

Note: When it is not on the phone, press the  button in five seconds, then press the  button to select next station in radio and TV status, and press it to select next song in CDC and DVD status, press the  button to select previous station in radio and TV status, and press it to select previous song in CDC and DVD status.

Main Menu

Click  to enter main menu

As the figure shows, main menu includes Radio, DVD, TV, Navigation, bluetooth, iPod, disc changer (unavailable), AV, camera and Setup function modules, through which corresponding function operation can be enter directly.



For detailed information of these functions, please refer to “User's Manual”.



Radio interface



DVD play interface



TV interface
(Digital TV box is optional)



NAV interface
(External navigation box is optional).



Bluetooth hand-free interface



iPod interface

(Optional)



Disc changer play interface

(Unavailable)



Camera interface



AV interface



Setup interface

Product Specifications

System Parameters

Working voltage	DC 11V-14V
Working current	MAX 15A
Standby current	<5mA
Working temperature	-20℃ - 60 ℃
Video system	Auto PAL/NTSC/SECAM
Screen dimensions	154.08mm(W) × 86.58mm(H)
Weight	2.5Kg

Radio Parameters

Range of frequency	FM: 87.50MHz-108.00MHz AM: 522KHz - 1620KHz
Display mode	TFT panel display or OSD
Memory capacity	18 FM stations; 6 AM stations
Search mode	Automatic/manual

DVD Parameters

Video output	1 ± 0.2Vp-p (75 Ω)
Disc format	Diameter 12cm
Disc compatible	DVD/VCD/CD/MP3/WMA /JPEG/MPEG4

Audio Parameters

Channel imbalance	<2dB
Separation	>45dB
Frequency response	20Hz~20KHz(± 3dB)

Tone control	Bass	100Hz ± 8dB
	Mid	1KHz ± 8dB
	Treble	10KHz ± 8dB

Amplifier Parameters

Test voltage	13.8V
Max output power	4 × 45W
Speaker resistance	4Ω (4—8 Ω could be accepted)

Packing List Without Bulit-in NAV Module

Standard Accessories	
Model	Qty.
Power loudspeaker wire	1pcs
5.1 AV output wire	1pcs
AV output wire	1pcs
USB transferring wire	1pcs
User's manual	1copy
Quick guide	1copy
Optional Accessories	
AV input wire A	1pcs
AV input wire B	1pcs
iPod adapter	1pcs
External TV box	1set
Tyre pressure monitoring system	1set
External navigation box	1set
Remote control	1pcs

Packing List With Bulit-in NAV Module

Standard Accessories	
Model	Qty.
Power loudspeaker wire	1pcs
5.1 AV output wire	1pcs
AV output wire	1pcs
USB transferring wire	1pcs
User's manual	1copy
Quick guide	1copy
NAV receiving antenna	1pcs
Writing pen	1pcs
Optional Accessories	
AV input wire A	1pcs
AV input wire B	1pcs
iPod adapter	1pcs
External TV box	1set
Tyre pressure monitoring system	1set
NAV map card	1pcs
Remote control	1pcs