



## FORD Car Audio & Video Entertainment System M-AVM6020



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

# Quick Guide

## FORD MONDEO Car Audio & Video Entertainment System

No. A00



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

## ★★★★ Copyright

The copyright of this manual is reserved by our company. All rights are reserved. This manual may not be copied, reproduced or translated in whole or in part without the express written permission of our company.

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

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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.

**Trademark  
Licence:**



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- ②“Dolby” and the “double-d” symbol are trademarks of Dolby Laboratories.

## 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 FORD MONDEO. 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, your vision is always kept in best performance; 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.

### **Bluetooth Hand-free:**

Supports Bluetooth hand-free communication and Bluetooth play function. (Phone support is required).

### **SD Card Port**

For using to read navigation map data card (The host unit without built-NAV module possess single SD card port, separately plays audio and video files function)

### **Optional Function:**

iPod play function;TV receiving (with our transferring wire) AV function (one of two).

### **AV Function**

It support AV input of the external equipment.

### **iPod Play:**

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.

**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.

**The following is the other function:****Display Screen:**

Adopt 7 inch fire-new 16:9 TFT high definition LCD.

**Touch Screen:**

It is convenient to operate the host unit.

**Mobile GUI:**

Complete graphic operation interface, more visual and humanized.

**Menu Display:**

All operations can display on the screen.

**Black Screen:**

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

**Audio Output Port:**

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

**EQ Modes:**

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

**Tone Modes:**

Features Treble, Mid and Bass adjustments.

**Display System:**

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

**Spectrum Display Modes:**

5 spectrum modes are available.

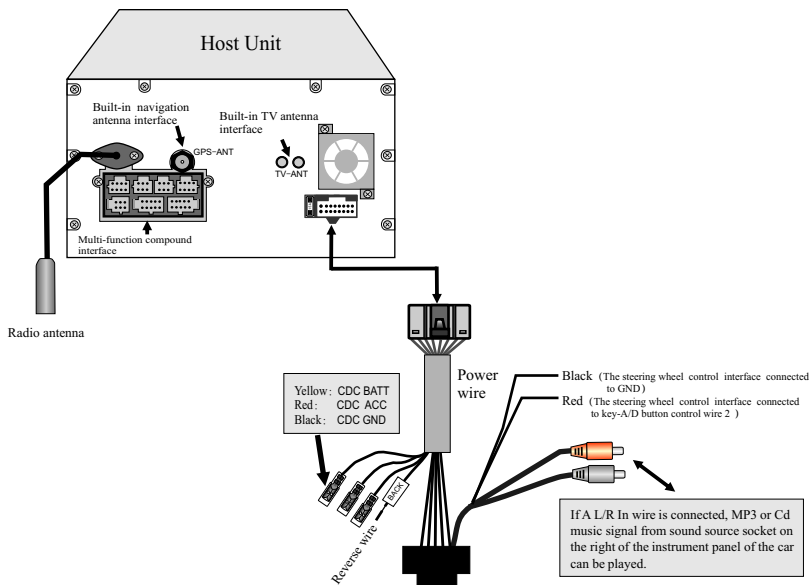
**Auto Memory:**

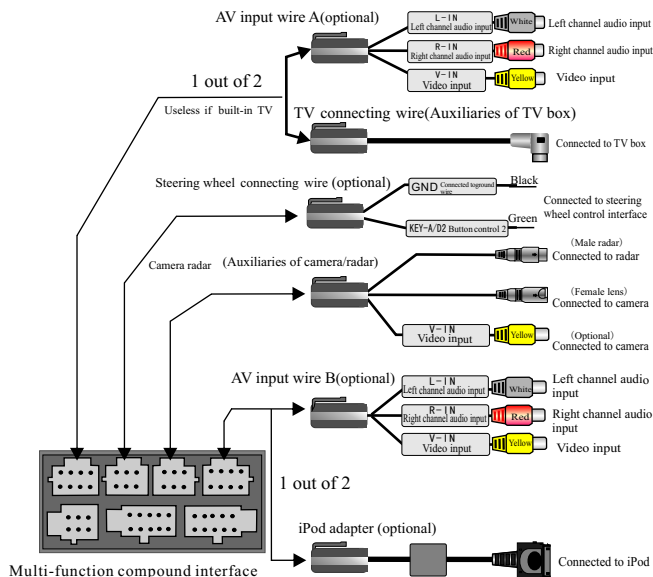
All the set parameters can be memorized and restored automatically.



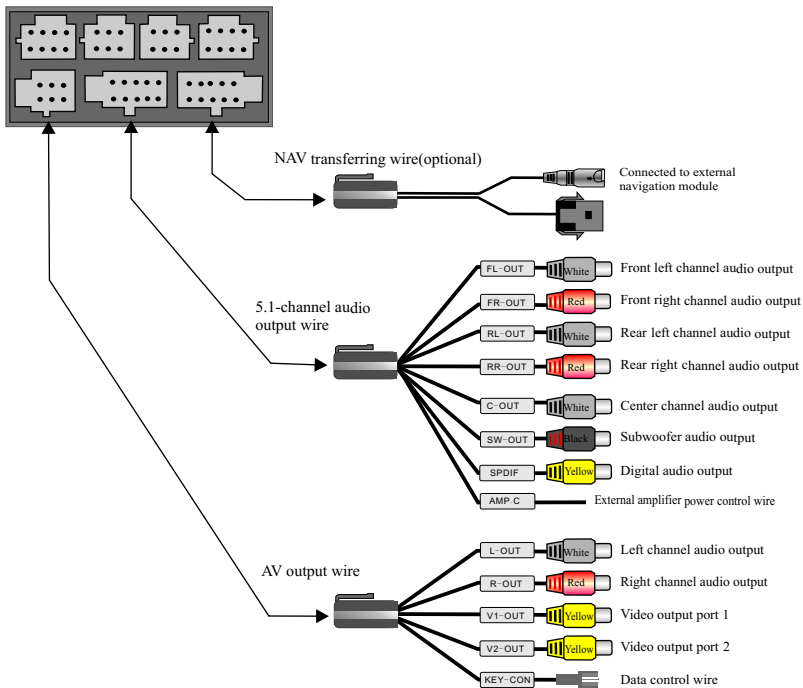
## Connect Diagram

- To make the system functions the most perfect, please be strict to connect the wires according to the system connecting diagram.
- To prevent from short-circuit, please cover the insulation casing of audio and video when they have not been used.





## Multi-function compound interface

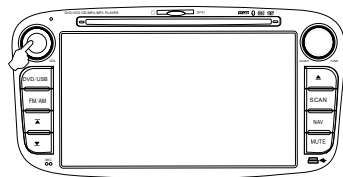


## Turn on/off

Plug or unplug the car key to turn on or off the system;

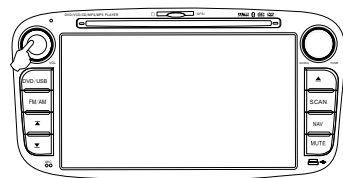
When the system is in standby state, press the left knob on the panel to turn on the system;

When the system is on, press and hold the left knob on the panel to enter standby state;

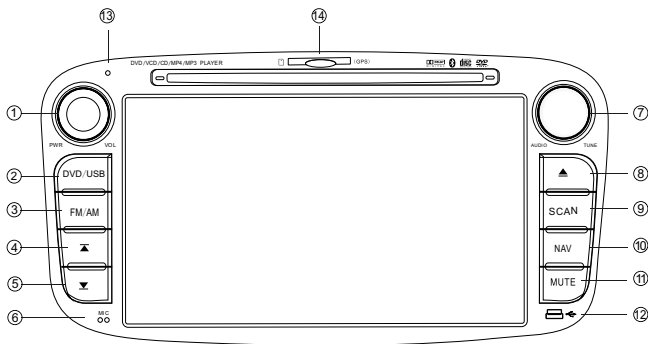


## Volume Adjustment

Left or right turn the “left” knob to adjust the volume.




## Descriptions of Buttons



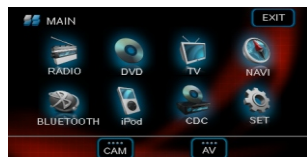
- ① When it is on, press and hold the left knob on the panel to enter standby state, Press the button once to access Night mode, press the button twice to access Dark Screen mode, When it is in standby status, press the button to turn the system on.  
Left or right turn the knob to adjust the volume.
- ② At other mode, press it switch to DVD mode.  
In DVD status, press it repeatedly to switch the mode among DVD/USB/SD in turn.  
(The host unit with built-in NAV mode haven't SD card play mode).
- ③ At other mode, press it switch to radio mode. In radio status, press it repeatedly to switch band among FM1/FM2/FM3/AM in turn.
- ④⑤ When it is radio or TV status, press the button to select the next/previous station;  
When it is in radio status, press and hold this button to tune to high-/low-frequency band;  
When it is in DVD or CDC status, press it to select the next/previous a song or Chapter to play.
- ⑥ This is the window used for communication with others when using the bluetooth handfree function.

- ⑦ When it is in radio status, turn the knob to fine tune the station;  
When it is in DVD status, turn the knob to select the previous/next chapter or song;  
Press it vertically to Treble/Middle/Bass, And then turn it to adjust it.
  - ⑧ Eject/inject key in DVD state.  
At other mode, press it switch to DVD mode.
  - ⑨ When it is in radio or status,use it to tune station automatically and storing.  
When it is in DVD status, 切换声道 (requiring the support of disc).
  - ⑩ Enter/exit navigation mode.
  - ⑪ Turn on/off volume.
  - ⑫ Connect to external portable hard disc.
  - ⑬ Insert this hole and press the button inside the hole, and the system will be reset to the factory settings.
  - ⑭ The port that used for connecting SD card with host unit(For storing map data).
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## 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”.**

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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	<6mA
Working temperature	-20℃~+60 ℃
Reservet emperature	-30℃~+80 ℃
Video system	Auto PAL/NTSC/SECAM
Screen dimensions	154.08mm(W) × 86.58mm(H)
Weight	2.6Kg

### 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	4 Ω (4-8 Ω could be accepted)



**Packing List Without Bulit-in NAV Module**

<b>Standard Accessories</b>	
Model	Qty.
Power loudspeaker wire	1pcs
5.1 AV output wire	1pcs
AV output wire	1pcs
Steering wheel connecting wire	1pcs
USB transferring wire	1pcs
User's manual	1copy
Quick guide	1copy
<b>Optional Accessories</b>	
AV input wire A	1pcs
AV input wire B	1pcs
iPod adapter	1pcs
External navigation box	1set
External TV box	1set
Remote control	1pcs

**Packing List With Bulit-in NAVModule**

<b>Standard Accessories</b>	
Model	Qty.
Power loudspeaker wire	1pcs
5.1 AV output wire	1pcs
AV output wire	1pcs
Steering wheel connecting wire	1pcs
USB transferring wire	1pcs
User's manual	1copy
Quick guide	1copy
NAV receiving antenna	1pcs
Writing pen	1pcs
<b>Optional Accessories</b>	
AV input wire A	1pcs
AV input wire B	1pcs
iPod adapter	1pcs
NAV map card	1pcs
Remote control	1pcs