



AVS-200BGM

User Manual

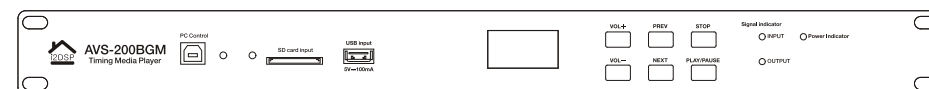


Dongguan Jingheng Electron Co., Ltd

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DECLARATION OF CONFORMITY

I hereby declare that the product

Timing Media Player AVS-200BGM

satisfies all the technical regulations applicable to the product within the scope of Council Directives 2014/53/EU, 2014/35/EU and 2014/30/EU.

EN 303 413 V1.1.1: 2017-06
EN 301 489-1 V2.2.3: 2019-11
EN 301 489-3 V2.1.1: 2019-03
EN 50663:2017
EN 62479:2010
EN 62368-1:2014+A11:2017

All essential radio test suites have been carried out.

Manufacturer: Dongguan Jingheng Electron Co., Ltd.

- Address:

Room 101, Building 1, No.15, Shenle 1st Road, Hengli Town
Dongguan City, 523465 Guangdong
P.R.China

This declaration is issued under the sole responsibility of the manufacturer.

DATASHEET

AC power	110-120V ~50/60Hz , 220-240V ~50/60Hz (Optional voltage range)
DC power	24V $\overline{\text{---}}$ 1A
Power consumption	20W
Fuse	T1AL AC250V
U disk playback/SD recording	Support
USB interface 1 (front)	Software updating for USB interface
USB interface 2 (back)	Update voice broadcasting message
Recording songs by SD card	Support
GPS calibration time	Support
GPIO Ctrl I/O	Support
RCA input resistance	10K Ω
RCA output resistance	120 Ω
SNR	93dB
Frequency Response	20Hz~20KHz
Distortion(THD&N)	<0.01% @ 0dBu 1KHz
RCA Maximum Input Level	+10dBu
RCA Maximum Output Level	+10dBu
Operating Temperature	-5~40°C
Net weight	2.88kg
Dimension	483(L) * 189(W) * 44(H)mm

TABLE OF CONTENTS

SAFETY RELATED SYMBOLS	1
WARNING.....	1
IMPORTANT SAFETY INSTRUCTIONS	2
PRECAUTIONS	2
HARDWARE FUNCTIONS	3
DATASHEET	7
DECLARATION OF CONFORMITY	8

SAFETY RELATED SYMBOLS



The symbol is used to indicate that some hazardous live terminals are involved within this apparatus, even under the normal operating conditions.



The symbol is used in the service documentation to indicate that specific component shall be only replaced by the component specified in that Documentation for safety reasons.



Protective grounding terminal.



Alternating current /voltage.



Hazardous live terminal .

ON: Denotes the apparatus turns on.

OFF: Denotes the apparatus turns off, because of using the single pole switch, be sure to unplug the AC power to prevent any electric shock before you proceed your service.

WARNING: Describes precautions that should be observed to prevent the danger of injury or death to the user.



Disposing of this product should not be placed in municipal waste and should be separate collection.

CAUTION: Describes precautions that should be observed to prevent danger of the apparatus.

WARNING

• Power Supply

Ensure the source voltage matches the voltage of the power supply before turning ON the apparatus.

Unplug this apparatus during lightning storms or when unused for long periods of time.

• External Connection

The external wiring connected to the output hazardous live terminals requires installation by an instructed person, or the use of ready-made leads or cords.

• Do not Remove any Cover

There are maybe some areas with high voltages inside, to reduce the risk of electric shock, do not remove any cover if the power supply is connected.

The cover should be removed by the qualified personnel only.

No user serviceable parts inside.

• Fuse

To prevent a fire, make sure to use fuses with specified standard (current, voltage, type). Do not use a different fuse or short circuit the fuse holder.

Before replacing the fuse, turn OFF the apparatus and disconnected the power source.

• Protective Grounding

Make sure to connect the protective grounding to prevent any electric shock before turning ON the apparatus.

Never cut off the internal or external protective grounding wire or disconnect the wiring of protective grounding terminal.

• Operating Conditions

This apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on this apparatus.

K. Error code

E1 : Failed communication with AVS966 ;

L. Recording function:

-When there is a broadcast trigger in the system.the AVS-200BGM will access automatically recording interface and recorde the contents being broadcasted, If there is no SD card drive letter, "No found SD " will be displayed.

M.Time settings

-Press both [Volume+] and [Volume-] simultaneously and hold them for 3 seconds.Enter time settings mode.

-Press [Play] to select the parts which you want to setup.

-Press [Previous]/[Next] to select the contents will be played.

Remark: Before USB inserted,

N. Record Playback

-Press and hold [Stop] for 3 seconds.

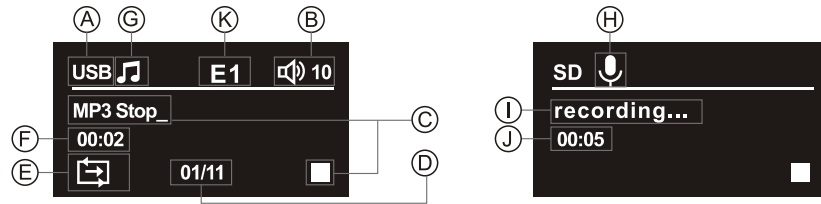
-Current page shows tips"Press both [Previous] and [Next] simultaneously to access SD card page ". Please process operation accroding to the tips.

- Please process the same operation step to enter "SD-card recording playback", "Volume +/- ", "Previous/Next" and "Playback mode settings"

-Press and hold [Stop] to exit "SD-card recording playback" mode.

HARDWARE FUNCTIONS

2. Interface Introduction



A. Indicate that the current disk used by device.

- NO device: No drive letter available.
- SD: Play the audio file from the SD card or store the recording file into SD card.
- USB: Play the audio files from U disk.

B. Volume

- A total of 31 levels of volume can be adjusted.

C. Audio playback status

- There are total three status: play, pause and stop.

D. Current track/total tracks

E. The current audio playback mode

- (→): All play in order
- (☒): Shuffle the current folder
- (☒): All songs play randomly
- (I): Single play
- (☐): Current folders play in order

F. Audio play progress

G. Music mode

H. Recording mode

I. Recording

J. Recording duration

Interface operation introduction:

Audio playback function:

When no SD card or USB card is inserted, the screen will display "No drive letter available". When an available drive letter is detected, "please wait..." Then jump to the playback interface. When only the SD card is detected, "SD card device" is displayed.

-Press the [play] key and the current song will start playing. Press [Previous] or [Next] to switch tracks, It is worth noting that it means to switch the audio playback mode if you press [Previous] or [Next]" button under the stop state.

To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.

Do not use this apparatus near the pound. Please install the device in accordance with the manufacture's instructions. Do not install near any heat environment. Such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat. Do not block any ventilation openings.

No naked flame sources, such as lighted candles, should be placed on the apparatus.

IMPORTANT SAFETY INSTRUCTIONS

- Read these instructions.
- Follow all instructions.
- Keep these instructions.
- Heed all warnings.
- Only use attachments/accessories specified by the manufacturer.

• Power Cord and Plug

Do not defeat the safety purpose of the polarized or grounding type plug.

A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.

Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.

• Cleaning

When the apparatus needs a cleaning, you can blow off dust from the apparatus with

a blower or clean with rag etc.

Don't use solvents such as benzol, alcohol, or other fluids with very strong volatility and flammability for cleaning the apparatus body. Clean only with dry cloth.

• Servicing

If the machine is damaged or the following conditions occurred:

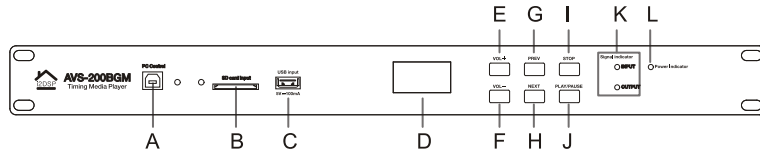
- Power cord or plug is damaged
- Some objects including liquids and solids fall into the machine
- The machine is wet by the rain
- The device can not work due to the moist or the device was destroyed; Please find the professionals to check out. If you are not professionals, do not fix it by yourself.

PRECAUTIONS

- System's inside connection and system configuration must be completed by professional personnels.
- Professionals are required to conduct a comprehensive inspection of the system annually to ensure the system function properly.

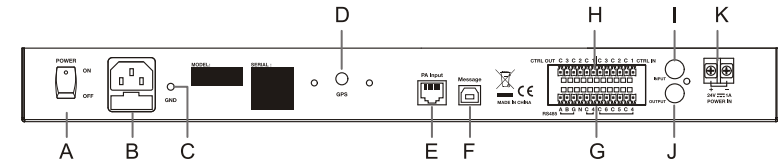
HARDWARE FUNCTIONS

I. AVS-200BGM Timing Media Player



- A. PC Control Port:**Used to update software or configure the parameter of the device.
- B. SD card Input:**Used to save related emergency audio files from the system or single device.
- C. USB port:** Used to read and play the audio file in the U disk.
- D. OLED screen:** Display operation message.
- E. Volume increase.**
- F. Volume decrease**
- G. Previous Song**
 - In the play or pause state, the operation of pressing this button is the previous song.
 - In the stop state, press this button to switch the play mode.
- H. Next Song**
 - In the play or pause state, the operation of pressing this button is the next song.
 - In the stop state, press this button to switch the play mode.
- I. Stop:** Stop playing music.
- J. Play/Pause:** Switch playback status
- K. Signal Indicator:**
 - It displays correspond input/output audio level.
- L. Power Indicator**
 - To display the power status.

HARDWARE FUNCTIONS



- A. power switch**
 - Turn on/off the unit.
- B. AC Inlet:**
 - Optional voltage range as the silkscreen content shown on the top cover.
- C. GND port**
- D. GPS Antenna interface**
 - Used to connect GPS antenna, receive GPS signal and proceed time calibration of the device.
- E. PA port**
 - Linked to the host AVS-966S and proceed communication.
- F. Message update interface**
 - To replace the internal preset message of the unit through this port.
- G. External input (I-6)**
 - General broadcast control input.
- H. External output**
 - General broadcast control output , RS-485 extended control port
- I. Audio input port**
 - Audio signal input
- J. Audio output port**
 - Audio signal output
- K. Backup power port : 24V--- I A standby power input**