



## **GREN Intelligent Multimedia Center**

**Model: iMS-D1**

**User Manual**

## FCC Certification Requirements

Caution: Any changes or modifications in construction of this device which are not expressly approved by the party responsible for compliance could void the user's authority to operate the 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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

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.

The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons.


## II. Safety instruction:


### Please read this User Manual

Be sure to carefully follow the instructions in this manual. It will help you to install and operate the system properly and enjoy its advanced features. Please carefully keep this manual for future reference when needed.

**WARNING:** To reduce the risk of fire or electric shock, please do not expose the product to rain or moisture.

**CAUTION:** To reduce the risk of electric shock, any non-professionals shall not disassemble this product. Please consult the qualified service personnel for any repair issues.

 The lightning arrow sign within an equilateral triangle is to warn the user that the system's enclosure may exist dangerous voltage due to it is not insulated, and the voltage level may lead to a risk of electric shock.

 The exclamation mark within an equilateral triangle marked on the system is to warn the user that there are important operating and maintenance instructions in this manual.

**CAUTION:** To prevent electric shock, please ensure the plug of power cable is fully inserted

into the socket.

**CAUTION:** Any other controls, adjustments or operating procedures other than those specified in this manual may cause dangerous electromagnetic radiation exposure of internal laser components. Except the service personnel with appropriate qualifications, any person shall not adjust or repair the products.

**WARNING:** Do not place any hot, flammable or combustible objects on the device or close to the device.

**NOTE:** This product must be used indoor. The use of this product outdoor, in vehicle or on vessel is neither designed nor tested.

III. Operating instruction

1. Unpacking

✧ Checking whether the items listed in below table are complete

List of items		
No	Item description	Quantity
1	GRENIntelligent Multimedia Center	1
2	DC Adapter (DC24V, 4A)	1
3	Power supply cable	1
4	HDMI cable (1.5m)	1
5	User manual	1
6	Quality Warranty Card (annex of the user manual)	1

General View



IMC



DC

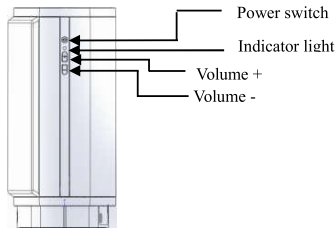
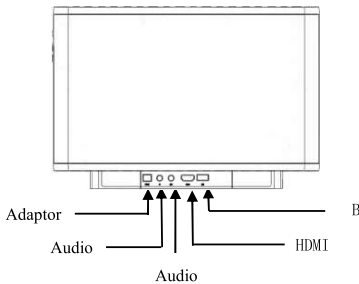


HDMI



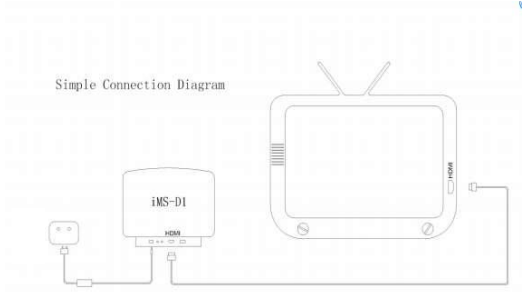
Power supply cable

✧ Main functions of the keys



	Power switch: Enable / disable audio
	Volume -: Reduce the volume
	Volume +: increase the volume
	Indicator lamp: lights on representatives switching on, light off representatives switching off
	HDMI port : To connect the HDMI cable

	USB port: To connect a mouse  or a wireless mouse receiver  or USB storage device etc.
	Power adapter port: To connect the power adapter
	Audio IN: To connect with other audio devices via audio cable, such as MP3  or CD players  etc.
	Audio OUT: To connect to headset.



2. Power-on

✧ Connect one end of the HDMI cable into HDMI port of the iMS-D1 multimedia audio equipment, and connect the other end of the HDMI cable to a projector or television which contains the HDMI ports.



HDMI Connect to audio and projector




HDMI connect to audio and television

✧ Plug a USB mouse or wireless mouse receiver into the multimedia audio iMS-D1 USB port at the bottom of its back side.


✧ Connect the power adapter to power supply cable, and plug into a power outlet and plug the other end into the power port at the iMS-D1.

### 3. Operating the audio device

#### ✧ Turn on the video

When switched off, press the power switch button  indicator lights turned on, device is switched on.

#### ✧ Turn off the video

When switched on, press the power switch button  indicator light is off, device is switched off.

#### ✧ External devices (Router's WiFi signal, iPhone or Android phone) connection

#### Wireless WiFi connection


Turn on the router WiFi signal; turn on the multimedia audio, via mouse click "WLAN" in the "Settings" on desktop to complete the wireless connection.

#### iPhone's connection

① With WiFi: When audio device is connected to WiFi signal, activate the Wlan in iPhone and connected to the same WiFi signal which the iMS-D1 is connected to.

② Without WiFi: click the "More" in the "Settings" of audio via a mouse, and select "portable hotspot", and then click on "portable Wlan hotspots", if the portable hotspot "gren 88888888" has been enabled, it represents the connection is OK. Then set the phone's WiFi, select "gren 88888888" to complete the connection(Default Passwords:88888888)

#### Android phone's connection

Open the "APP"  shortcut on the desktop of iMS-D1 via a mouse, it will show the name of audio equipment, for example:

Android-1234. Open Android phone's "System Settings", click on "WLAN Display" or "wireless display" or "projection screen", it will display the name of the audio device on your phone, click connection to complete the operation.

#### ✧ Music Player

Find the AirPlay in iPhone, then click on the GREN iMedia, click Done to open the mobile music software for music playing or download.

#### ✧ Video player

Find the AirPlay in iPhone, click on the GREN iMedia, and then select the Image, click Done to play online video or local video in phone, then mobile phones and display devices will have the same screen display.


*Note: Mirroring Mode consumes larger data flow, if the connection is slow or having radio interferences, choose to turn off mirroring mode, the video will play smoother.*

### ✧ Video call



Find the AirPlay in iPhone, and click on the GREN iMedia, and then select the Image, click Done to make video calls through FACETIME.

*NOTE: Android phones will directly enter into "the mirror mode of the same sound and the same screen" when connecting, and can directly playing music, playing video and make video calls.*

### ✧ Game

Enter Audio's Andrews system, download and install the game APP, connected wireless game controller  to manipulate (need to insert the USB hub to extend, if necessary), single or double play mode, having lifelike scenes and shock experience.

### ✧ Volume adjustment

To adjust the volume, press the volume button. Pressing volume-  to lower down the sound and pressing volume+  to increase the sound.

### ✧ Devices can be connected

All models of iPhone, the vast majority of Android mobile phones.

*Note: when Android devices connected to the multimedia audio, you need to download music player contains DLAN function to play audio and video.*

#### 4 CE WARNING:

adapter shall be considered safety approval type eg: CE or TUV or Nemko. Input rating 100-240V/2.5A output rating 24Vdc/4A.

Adapter shall be installed near the equipment and shall be easily accessible.

Don't place the product on more than 25 °C or below -10 °C environment for operation.

Don't place the product on more than 60 °C or below -15 °C environment for storage.

The plug considered as disconnect device of adapter. Hereby, Qingdao GREN iMedia Technology Co., Ltd. declares that this GREN Intelligent Multimedia Center product is in compliance with essential requirements and other relevant provisions of Directive 1999/5/EC.

#### 5. Matters need attention

✧ Do not use this device near water or wet

environment ;

- ✧ Only clean the device by a dry cloth: Remove the power plug from the power outlet prior to cleaning this product;
- ✧ Do not block any ventilation openings: Put the product in a position not affecting its proper ventilation to prevent overheating;
- ✧ Do not place the device next to any heat sources such as stoves, radiators, etc.
- ✧ During lightning storms or when not in use for a long time, turn off the device power, so as not to damage the device.
- ✧ To prevent fire or shock hazard, avoid the overload of a wall outlet, extension cord or electrical outlet;
- ✧ Do not disassemble the device. In case of failure, call a qualified service personnel;

#### 6. Repair and maintenance

- ✧ When not in use for a long time, we recommend disconnecting the external power source connection.