

# SMART AD BOX

## ADBX USER MANUAL



**ViewZ**<sup>®</sup>  
[www.viewzusa.com](http://www.viewzusa.com)

Please read this manual thoroughly before use, and keep it handy for future reference.

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# SAFETY INSTRUCTION

## Important Safety Instruction

1. Read all warnings.
2. Follow all instructions to ensure longevity of Smart AD Box.
3. Do not place the Smart AD Box near water.
4. Clean only with dry cloth.
5. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
6. Do not install near any heat sources such as radiators, heat registers, stoves, or other heat generating devices.
7. Do not override the safety purpose of the polarized or grounding-type plug.
8. A polarized plug has two blades with one wider than the other.
9. A grounding type plug has two blades and a third grounding prong.
10. The wide blade and the third prong are provided for your safety.
11. If the provided plug does not fit into your outlet, consult with electrician for replacement of the outlet.
12. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles and the point where it connects to the Smart AD Box .
13. Only use attachment/accessories specified by the manufacturer.
14. Use only with the cart, stand, tripod, bracket or table specified by the manufacturer or sold with the Smart AD Box. When a cart is used, use caution when moving the cart & Smart AD Box in combination to avoid injuries.
15. Unplug the Smart AD Box during lightning storms or when unused for long periods of time.
16. Refer all servicing to qualified service personnel. Servicing is required when the Smart AD Box has been damaged in any way.



The Smart AD Box shall not be exposed to dripping or splashing and objects containing liquids, such as vases shall not be placed near the Smart AD Box.

The Smart AD Box should have ample distance (e.g. 10cm) from the wall for sufficient ventilation.

# SAFETY INSTRUCTION

## Important Safety Instruction

### Mark Indication and Substance



CAUTION : TO REDUCE THE RISK OF ELECTRICAL SHOCK,  
DO NOT REMOVE COVER (OR BACK). NO USER  
SERVICEABLE PARTS INSIDE. REFER SERVICING TO  
QUALIFIED SERVICE PERSONNEL



This symbol is intended to alert the user to the presence of uninsulated & dangerous voltage within the Smart AD Box's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the Smart AD Box.

### Warning

- Do not use damaged or loose cables and plug.
- Do not pull the plug out by the wire nor touch the plug with wet hands.
- Use only a properly grounded plug and receptacle.
- Do not connect too many extension cords or plugs to one outlet.
- Do not excessively bend the plug and wire.
- Do not disconnect the power cord while it's still plugged into the Smart AD Box.
- Do not place any heavy objects on the power cord. Damage to the cord may cause shock or fire.
- Never open the Smart AD Box. There are no user-serviceable parts inside and opening will void warranty.
- Removing covers may expose you to dangerous shock hazards or other risks.
- Keep any heating devices away from the power cable and Smart AD Box.
- Do not place the Smart AD Box near water.
- Do not insert objects of any kind into the Smart AD Box's open slots, as they may touch dangerous voltage points.
- Please follow the laws and regulations of your municipality to dispose the Smart AD Box properly.
- Do not use the Smart AD Box in high temperature, humid, dusty or oily areas.
- Do not install the Smart AD Box where it will be exposed to continual vibration.
- Keep the plastic packaging out of children's reach.
- If any damage is detected upon first opening the box, contact agency from which you bought the Smart AD Box directly.
- If your Smart AD Box does not operate normally – in particular, if there is any unusual sound or smell coming from the Smart AD Box – unplug it immediately and contact an authorized dealer or the service center.

# SAFETY INSTRUCTION

## Important Safety Instruction

### Caution

- If the connector between the plug and the pin is dusty or dirty, clean it properly using a dry cloth.
- Make sure to unplug the power cord before cleaning the Smart AD Box.
- Make sure to leave a gap between Smart AD Box and wall.
- Do not drop the Smart AD Box when moving it.
- Place your Smart AD Box in a location with low humidity and minimum dust.
- Install the Smart AD Box base on a showcase or shelf so that the end of the base does not protrude from the showcase or shelf.
- Do not place the Smart AD Box on an unstable or small surface area.
- Do not install inside a vehicle.
- Disconnect the plug from the outlet during storms or lightning or if it has not been used for a long time.
- Do not try to move the Smart AD Box by pulling on the power cord.
- Do not cover the vents on the Smart AD Box.
- When moving the Smart AD Box, turn off and unplug the power cord. Make sure that all cables, including HDMI cable and cables connected to other devices, are disconnected before moving it.
- Place the Smart AD Box out of children's reach, as they could damage it by hanging onto it.

### Available Temperature & Humidity

- Operating Temperature : 14°F ~ 122°F / -10°C ~ 50°C
- Operating Humidity : 20 ~ 70% RH

# FCC RF INTERFERENCE STATEMENT

## Note

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment.

This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

- 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.
- Only shielded interface cable should be used.

Finally, any changes or modifications to the equipment by the user not expressly approved by the grantee or manufacturer could void the users authority to operate such equipment.

### ► DOC COMPLIANCE NOTICE

This digital apparatus does not exceed the Class A limits for radio noise emissions from digital apparatus set out in the radio interference regulation of Canadian Department of communications.

# PACKAGE

## Assembly Components - provided

Your ViewZ Smart AD Box is shipped with all proper installation hardware and components. If there are parts missing and/or damaged, please stop the installation and contact ViewZ USA at (888)-998-4399.



Smart AD Box  
(Qty 1)



DC 12V Power Supply (Qty 1)



User Manual CD (Qty 1)  
Remote Controller (Qty 1)

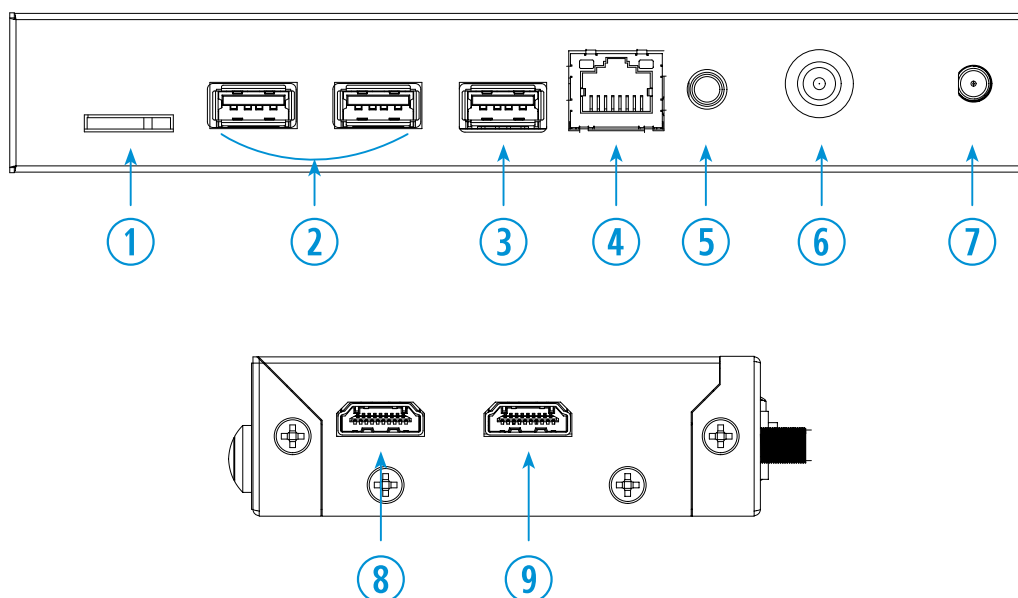


Flat Plate Mounting Kit (Qty 1)  
C-Shape Plate Mounting Kit (Qty 1)

# CONNECT EXTERNAL EQUIPMENTS

## Interface Input Ports

The following image is the description of interface input ports



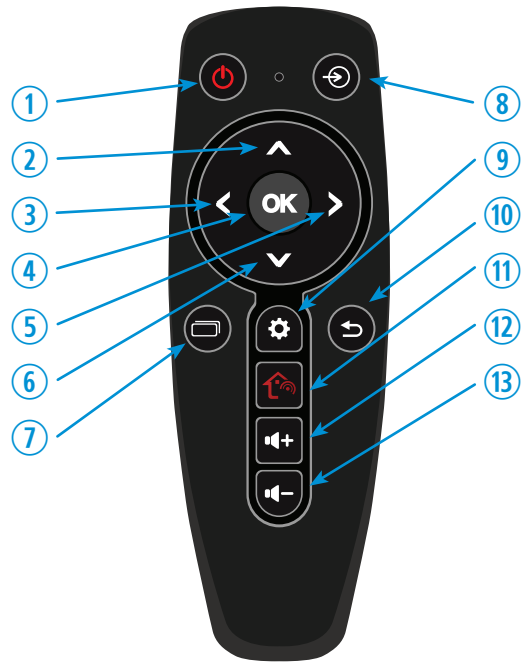
1. Micro SD Card IN
2. USB 2.0 IN x 2
3. USB 3.0 IN x 1
4. RJ 45 (Ethernet) IN
5. AUDIO OUT
6. DC 12V IN
7. ANTENNA
8. HDMI OUT
9. HDMI IN



# REMOTE FUNCTION

## Remote Controller

1. Power
2. Up
3. Left
4. Select
5. Right
6. Down
7. N / A
8. N / A
9. Settings
10. Back
11. Home
12. Volume Up
13. Volume Down

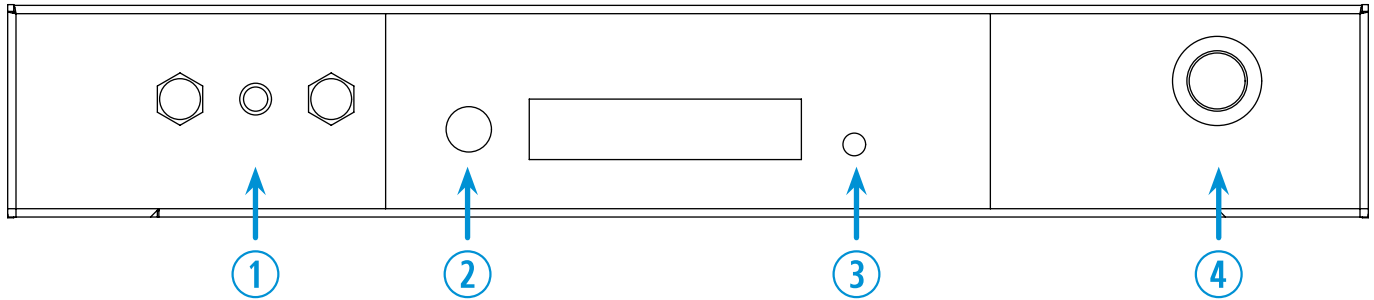


Display image, sound and custom settings can be adjusted in OSD (On Screen Display) menu by remote controller.  
To adjust Smart AD Box setting value :

1. Press the **'Settings'** button to enter the setup of running app
2. Press the **'Home'** button to go directly to the home screen
3. Press the **'Back'** button to go back the previous screen
4. Press the **▲ / ▼ / ◀ / ▶** buttons to move your cursor on Android screen
5. Press the **'OK'** button to select
6. Press the **'Volume Up & Down'** button to up / down audio volume

# CONTROL AND FUNCTION

## On ADBX, Front Area



1. Reset  
Resets the android settings to the factory default
2. IR Sensor  
Sensor for the remote controller
3. LED Indicator  
Blue color: Smart AD Box on  
Red color : Smart AD Box off
4. Power  
To turn the android system power on / off

# WIRELESS CONNECTION

## Caution



**!** ViewZ Smart AD Box can connect to the internet or intranet via wireless. The wireless router lets you access from your network anywhere within the operating range of your wireless network. However, the operating distance or range of your wireless connection can vary significantly depending on the physical placement of your router. For example, the thickness and number of walls the wireless signal passes through can limit the range. Additionally, other wireless access points in and around your home might affect your router's signal. Wireless access points are routers, repeaters, WiFi range extenders, or any other device that emits a wireless signal for network access.

**!** Place your router near the center of the area where ViewZ Smart AD Box operate or place the router in an elevated location, minimizing the number walls and ceilings between the router and **ViewZ Smart AD Box**.

**!** Place **ViewZ Smart AD Box** away from electrical devices such as these:

- Ceiling fans, Home security systems
- Microwaves, Computers
- Base of a cordless phone, 2.4 GHz cordless phone

**!** Place **ViewZ Smart AD Box** away from large metal surfaces, large glass surfaces, and insulated walls such as these:

- Solid metal door, Aluminum studs
- Fish tanks, Mirrors, Brick, Concrete

**!** ViewZ recommends using a **wired connection** via RJ-45 for solid connection speed & reliability.

**!** **Please do not use hot-spot device to connect Internet.** It looks like hot-spot device can let you connect Smart AD PVM to the Internet. However, hot-spot devices can interfere with the normal IP/DNS address. ViewZ strongly recommends **using clean/normal router** to provide Internet to Smart AD PVM.

# SPECIFICATION

Model No.		VZ-ADBX
HDMI®		2.0
Input Resolution		Up to 4K@60Hz
Output Resolution		Up to 4K@60Hz
Scailing		Up to 4K@60Hz
Custom Layout		Support
PIP & POP		Support
Rotation		Support ( 360° )
Schedule		Support
Ratio		Support - 16:9, 4:3, 5:4 & 16:4.5
Support Content Type		Digital Clock, HTML, Streaming, Subtitle, Newsticker, Logo, Image & Video
Video Format		MP4, AVI, MKV
Image Format		JPG, PNG, BMP
Android Board	CPU	Quad Core, ARM Cortex-A53 64bit
	RAM / Memory	2GB DDR4 / 32 GB
	OS	Ver. 6.1.
Operating Temperature		14°F ~ 122°F / -10°C ~ 50°C
Operating Humidity		20 ~ 70% RH
Weight		Net : 2.75 lb / 1.24 kg Gross : 1 lb / 0.45 kg
INTERFACE		HDMI IN x 1, HDMI OUT x 1, USB IN x 3, MICRO SD Card(TF) IN x 1, RJ-45(CMS) IN x 1, Audio OUT x 1
Safety & EMC Certification		CE / FCC / ROHS
Electrical Ratings	DC 12V IN	12 V $\overline{=}$ 2.0A
Power Consumption		≤ 8 W
Accessories		HDMI cable, Power Supply & Cable, Flat Plate Mounting Kit, C-Shape Mounting Kit, User's Manual, Remote controller

# TROUBLESHOOTING GUIDE

- Check the following before calling for service.
- If the same problems continue after checking, contact the reseller you purchased the Smart AD Box from.

At start	We recommend that you test with different input sources when you have trouble with the current input source. If symptom persists, follow the instructions below. After following the instructions below, please contact us at 1-888-99-VIEWZ.
No image or Noise on the screen	<ul style="list-style-type: none"> <li>- Make sure the power cable is correctly plugged into the outlet</li> <li>- Make sure the power cable is correctly plugged into the Smart AD Box</li> <li>- Make sure the cable is correctly connected between Smart AD Box &amp; source</li> <li>- Check brightness and see if brightness is set to 'Ø'</li> <li>- Check video source</li> </ul>
Incorrect display or Half display	<ul style="list-style-type: none"> <li>- Check your video source</li> <li>- Reset video source : connection, cable replacement, setting &amp; more</li> </ul>
Flickering and shadow image	<ul style="list-style-type: none"> <li>- Check your input source setting for resolution and phase (Hz)</li> </ul>
The audio function is not working	<ul style="list-style-type: none"> <li>- Check the volume and make sure MUTE is not on</li> <li>- Check HDMI / Audio port cable connection</li> </ul>
LED is flickering or no image	<ul style="list-style-type: none"> <li>- Check the interface cable connection and make sure it's plugged in correctly</li> <li>- Check the input source</li> </ul>

# TERMS OF WARRANTY / RMA

- The warranty period for this Smart AD Box is 3 years. The warranty will be voided for the scenarios listed below.
- You can also download the manual and information at VIEWZ web site: VIEWZUSA.COM

Cases of Non-Warranty Coverage	When power feed to the Smart AD Box exceeds capacity and causes damage
	Accident, Abuse, Misuse, Neglect, Fire, Water/liquids, Lightning or any act of nature
	Damaged by dropping, throwing and hitting the Smart AD Box
	Failure caused by users attempt to modify the product
	Failure by limited life of parts such as LED Lamps and any other consumables
	Damaged by using third party power cable, unstable power input and electric shock

\* Above information can be changed without notification - please check our website or contact ViewZ representative for latest RMA service policy.

\* When shipping the Smart AD Box for RMA, make sure to pack safely to ensure the Smart AD Box is not damaged during shipping.



# WARRANTY

## ViewZ USA LIMITED 3 YEAR WARRANTY

### What and Who is Covered by this Limited Warranty and for How Long

ViewZ USA warrants this product to be free from defects in material and workmanship for 3 years to the original owner of this product. The limited warranty is valid only for the original purchaser of the product.

### What ViewZ USA Will Do

At the sole discretion of ViewZ USA, ViewZ USA will repair or replace any product or product part that is defective. If ViewZ USA chooses to replace a defective product or part, a replacement product or part will be shipped to you at no charge, but you must pay any labor costs.

### What is Not Covered; Limitations

ViewZ USA disclaims any liability for damage to mounts, adapters, displays, projectors, other property, or personal injury resulting, in whole or in part, from improper installation, modification, use or misuse of its products.

ViewZ USA disclaims all other warranties, express or implied, including warranties of merchantability and fitness for a particular purpose. ViewZ USA is not responsible for incidental or consequential damages, including but not limited to, inability to use its products or labor costs for removing and replacing defective products or parts. Some states do not allow the exclusion or limitation of incidental or consequential damage, so the above limitation or exclusion may not apply to you.

### What Customers Must Do for Limited Warranty Service

If you discover a problem that you think may be covered by the warranty you MUST REPORT it in writing to the address below within thirty (30) days. Proof of purchase (an original sales receipt) from the original consumer purchaser must accompany all warranty claims. Warranty claims must also include a description of the problem, the purchaser's name, address, and telephone number. General inquiries can be addressed to ViewZ USA Customer Service at 1-888-998-4399. Warranty claims will not be accepted over the phone or by fax.

ViewZ USA  
Attn: Warranty Claim  
177 W. Orangethorpe Ave.  
Placentia, CA 92870

### How State Law Applies

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

### Disclaimer

ViewZ USA intends to make this manual accurate and complete. However, ViewZ USA makes no claim that the information contained herein covers all details, conditions or variations, nor does it provide for every possible contingency in connection with the installation or use of this Smart AD Box. The information contained in this document is subject to change without notice or obligation of any kind. ViewZ USA makes no representation of warranty, expressed or implied, regarding the information contained herein. ViewZ USA assumes no responsibility for accuracy, completeness or sufficiency of the information contained in this document.

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