



SHOWTOP

# Advertising machine

# Commercial intelligent terminal

## User Manual

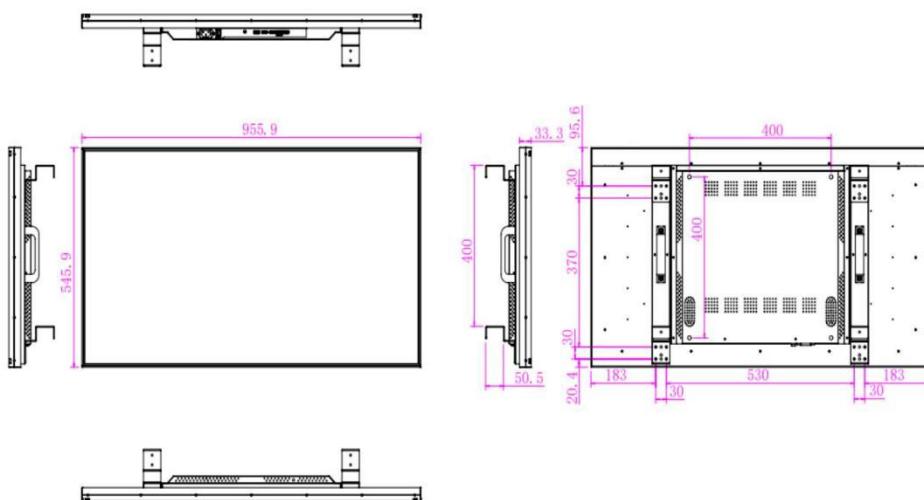


## I. Product Name

Product model: AI43W

Product name: 43-inch advertising machine commercial intelligent terminal

## II. Structural Diagram of the Product



### III. Basic Specifications and Parameters

| Display Parameters       |  |
|--------------------------|--|
| Panel size               | 43 inches  |
| Display area size        | 941.184(H)*529.416(V)mm                            |
| Aspect ratio             | 16:9   |
| Resolution               | 1920*1080  |
| Display color            | 16.7M  |
| Brightness               | 700cd/m <sup>2</sup> (center point, typical value) |
| Contrast                 | 2000:1   |
| Visible angle            | 89/89/89/89( Min. )(CR≥ 10)                        |
| Response time            | 6.5ms(typical value)                               |
| Field frequency          | 50/60Hz  |
| Theoretical service life | 30000H   |
| Power consumption        | <90W   |

| Specification Parameters  |                                      |
|---------------------------|--------------------------------------|
| Chip                      | ARM Cortex-A53                       |
| Memory                    | DDR3 1GB ( Built-in)                 |
| Built-in storage capacity | EMMC 8GB (Standard configuration)    |
| Language                  | Chinese , English                    |
| Ethernet                  | 100M adaptive Ethernet               |
| Wi-Fi                     | Supports 2.4G 802.11 b/g/n 1T1R WLAN |
| Input interface           | RJ45 * 1, HDMI IN * 1, USB HOST * 2  |
| Output interface          | Earphone out* 1                      |

## AV Parameters

|              |  |
|--------------|--|
| Speaker      | 8 Ω 5W*2                                 |
| Audio mode   | Left & Right channel                     |
| Audio format | MP3/WMA                                  |
| Video format | Support AVI, MKV, MP4, FLV, WAV, TS, etc |
| Image format | Support BMP, JPEG, PNG, GIF, etc         |

## Product Accessories

|                        |  |
|------------------------|--|
| Wall-mounted component | 1PC (Including splicing hook*4, M4 screw*16) |
| Remote control         | 1PC  |
| Power cord             | 1PC  |
| Antenna rod            | 1PC  |
| Quality Certificate    | 1PC  |
| Warranty Card          | 1PC  |
| User Manual            | 1PC  |

## IV.Operating Environment

### Operating Environment

|                       |                             |
|-----------------------|-----------------------------|
| Operating temperature | 0°C~40°C                    |
| Storage temperature   | -10°C~60°C                  |
| Ambient humidity      | <85%                        |
| Operating voltage     | 110-240V~, 50/60Hz, 2A, 90W |

## V. Structure and Assembly Instructions

1. The device supports both horizontal and vertical wall-mounting .
2. The back of the unit is equipped with Ø04x16 threaded holes (as illustrated in Figure 1) designed for securely fastening the splicing hooks. The center-to-center distance between these holes is 560mm x 400mm .
3. Of the threaded holes on the back, those measuring 400mm x 400mm are designated for wall-mounting. When installing, please use PM8x15 screws .
4. The device is equipped with 2 USB interfaces (for software upgrading) .

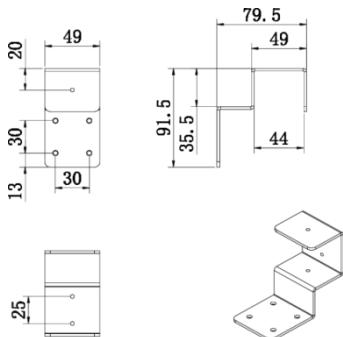


Figure 1

## VI. Packaging

See Annex for details.

### Please note the following:

1. Intellectual Property Statement: The hardware design and software programming of this product are protected by copyright. Unauthorized copying of this product and the contents of the Instruction Manual will be investigated with corresponding legal liability.
2. This is a Grade A product. In a standard living environment, this product may cause certain radio interference. In this case, the user may be required to take practical measures against such interference.
3. The content in this Instruction Manual is for reference only and does not constitute any form of commitment.
4. SHOWTOP reserves the right to improve and change the product design without prior notice.

### Warning

In a standard living environment, this product may cause certain radio interference. In this case, the user may be required to take practical measures against such Interference.

## VII. Test Report

| Test Report          |                               |  |  |   |              |  |  |
|----------------------|-------------------------------|--|--|---|--------------|--|--|
| Product Model        |                               | AI43W                                  | Purpose  | To ensure the reliability and practicality of the product   |              |  |  |
| Prepared by          |                               | Shenzhen SHOWTOP Technology Co., Ltd   |  |   |              |  |  |
| Scope of Application |                               | SHOWTOP Commercial Advertising Machine |  |   |              |  |  |
| S/N                  | Test Item                     | Quantity                               | Test Requirement/Standards   | Test Steps  | Test Results |  |  |
| 1                    | Drop impact test              | 1                                      | Product weight: 9Kg≤M≤20Kg<br>Drop height: 30CM for corners/edges, 40CM for top, 40CM for other sides<br>Drop order: 1 corner, 3 edges, 6 sides  | 1. Prepare qualified and verified test equipment and drop test bench;<br>2. Perform operations on the packaged device according to the experimental requirements;<br>3. After the experiment, unpack the device and check whether there is any abnormality in appearance, and check whether it is operating normally after powering on. If there is no abnormality, the test is passed and ended.   | PASS         |  |  |
| 2                    | High and low temperature test | 1                                      | Test environment:<br>1. 45 ±2°C 50%RH 4h<br>2. 60±2°C 30%RH 4h<br>3. -25±2°C ORH 4h<br>4. -10±2°C ORH 4h<br><br>Test each of the above parameters for more than 4 hours after powering on, check whether the device is operating normally. Test each parameter for more than 4 hours after powering off then powering on, and check whether the device is operating normally                         | 1. Prepare qualified and verified thermosstatic chamber and set the parameters according to the experimental requirements/standards;<br>2. Place the device into the experimental equipment for testing according to the experimental requirements/standards;<br>3. After the experiment, check whether there is any abnormality in the equipment. If there is no abnormality, the test is passed and ended.  | PASS         |  |  |
| 3                    | Electrical Performance test   | 1                                      | Test condition<br>1) The product is not damaged after aging for 30 minutes at ±20% of the rated operating voltage;<br>2) Adjust the voltage by ±15% of the rated operating voltage by 20V each time (increasing or decreasing the voltage), and check whether there are any abnormalities in the image and sound   | 1. Prepare qualified and verified voltage regulator, and set parameters according to the experimental requirements/standards;<br>2. A professional test technician conducts the test according to the test requirements;<br>3. After the test, check whether there is any abnormality in the equipment. If there is no abnormality, the test is passed and ended.   | PASS         |  |  |
| 4                    | Display test                  | 1                                      | 1. Signal source: The device works for screen projection and playback when connected to the network and WIFI;<br>2. Software version: Latest version;<br>3. Voltage: Rated Operating voltage;<br>4. Load: Two speakers working simultaneously, with other parameters set to factory settings;<br>5. Test environment: Tested at a temperature of 40±2°C and humidity of 28%RH for more than 12 hours | 1. A professional test technician tests the machine for more than 12 hours according to the experimental requirements/standards; Check whether the WIFI and network connections are operating normally;<br>2. Check whether the remote control is operating normally ;<br>3. Check whether the software version is the latest version;<br>4. After the experiment, check whether there is any abnormality in the equipment. If there is no abnormality, the test is passed and ended. | PASS         |  |  |

## VII. Test Report

| S/N | Test Item                       | Quantity | Test Requirement/Standards  | Test Steps  | Test Results |
|-----|---------------------------------|----------|---|---|--------------|
| 5   | Structural component inspection | 1        | Metal parts should be free from rust and other mechanical damage. The color of the surface coating should not have any obvious color discrepancy. The operating switches and buttons should work flexibly and reliably, and parts should be fastened and not loose. There should be no obvious installation gaps. The complete device should have sufficient mechanical stability | 1. A professional test technician inspects the hardware and structural parts the device according to the inspection requirements/standards;<br>2. During the inspection, the device should not have any problems other than the standards; inspection ended   | PASS         |
| 6   | Packaging inspection            | 1        | The surface of the packaging should be clean and tidy without obvious defects, such as concave and convex distortions, scratches, cracks, deformations and burrs. The surface coating should not blister, crack, or fall off. The text, graphics and symbols on the outer box, and in the Instruction Manual, etc. should be clear and feature correct indications                | 1. Before packaging the device, a professional test technician should inspect the surface, outer box, Instruction Manual, etc. of the device according to the inspection requirements/standards;<br>2. During the inspection, the device should not have any problems other than the standards; inspection ended. | PASS         |

**Note:** The above test requirements/standards are the internal test standards of the commercial display advertising machine industry

## VII. FCC WARNING

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

**NOTE:** 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.

To maintain compliance with FCC 's RF Exposure guidelines, This equipment should be installed and operated with minimum 20cm distance between the radiator and your body: Use only the supplied antenna.