User Manual

Model: FTDS43BK-T

Description: 43" Indoor Floor

Standing Digital Signage

Operating Instructions for Digital Signage

Note: Before using the product, please read the instructions carefully!
Do not attempt to disassemble this product. If the product does not work properly, please call our
Customer Service Department at .

Contents

Global Digital Display   Rev. 01/03/19

Application

1. Super market;   2. Subway;   3. Shopping mall;   4. Airport;   5. Library;   6. School;
7. University;   8. Bookstore;   9. Restaurant;   10. Cinema;   11. Fashion shop ...

Introduction

Overview:
High definition LCD display, support pictures, video, text, time & date, 1080P HD media files. CMS software can provide multi zone function for both horizontal and vertical mode; customized templates are available for users with different requirements.

Product Introduction

1. Built in 2GB flash memory; Embedded with RK3288 Android 7.1 smart operating system and unique UI design, bringing you a more convenient operation and better visual experience.
2. Touch screen, support USB mouse and keyboard, easy manipulation like a large Android cell phone.
3. Built-in Wi-Fi module, high capacity memory and high capacity cache, making it smoother to watch 1080P HD movies and play big games.
4. High-quality LCD screen as the display, no flicker, low radiation, greatly reducing eye fatigue, eye protection, high brightness, high contrast, and wide viewing angle; ultra-fast response time greatly reduces ghosting of fast moving images.
5. Progressive image processing and industry-leading motion compensation technology improve the flickering and blurring in the edges of motion picture.
6. Dynamic contrast technology can significantly improve the clarity and contrast of various screens.
7. Multi-channel USB interfaces, supporting HD media streaming.
8. Ultra-thin narrow bezel design.Supports scrolling text.
9. Set the timer ON/OFF function daily or weekly.
10. Set different schedules, and play it back accordingly.
11. Display your screen in both landscape and portrait modes.
12. An external media palyer can be used via the screens HDMI input port.
13. Support multiple zone templates, different templates area available.
14. High security encryption function can be used to protect your content.
15. Read media files from USB stick directly, or input the media files from USB stick to internal flash memory.

Safety Warnings and Precautions

Thank you for purchasing the high-performance multi-functional LED backlight Digital Signage. We have considered the factors to ensure personal safety in product design and have tested rigorously at the factory. However, improper installation and use may result in electric shock and fire.

In order to safely use, maximize performance of the unit and extend the life of the product, please read and follow all instructions carefully before using the product.

Keep the instructions for future reference.

Symbol Legends:

⚠ **Warning: May cause personal injury or death**

🚫 **The operation is prohibited**

⚠ **Caution: May cause damage or property loss**

● **The operation must be executed**

If any of the following occurs:

- Power outage or instable voltage.
- Abnormal sound or smell from the unit.
- AC power cord is damaged.
- Digital Interactive Table is damaged due to drop, knock or impact.
- Any liquid or foreign matters fall into the enclosure.

Turn off the Digital Interactive Table immediately, pull out the plug from the power outlet, and ask the authorized personnel for maintenance timely.

🚫 **If coal gas or other flammable gas leaks, do not pull out the plug of the LCD Digital Signage or other electrical appliances; instead, turn off the gas valve immediately, and open the doors and windows quickly.**

⚠ WARNING

� icon is a prohibition symbol.

- Do not use power supply other than AC 110V, 50Hz.
- Cut off the power supply before connecting or disconnecting any cables.
- Do not place the Digital Signage on any instable positions, or else it may be damaged or cause fire.
- Do not place the Digital Signage in the positions such as:
  1. The environment subject to direct strong sunlight, moisture, extreme temperature or too much dust or closed environment;
  2. The environment with flammable or explosive materials;
  3. The environment with flammable or corrosive gases;
- Do not use damaged or inappropriate power outlets, and ensure that the plugs and outlets contact properly.
- Do not let dust or metal deposits adhere to the plugs and outlets.
- Do not damage the power cords:
  1. Do not modify the power cords;
  2. Do not place heavy objects on the power cords;
  3. Keep the power cords away from heat source;
  4. Do not pull the cord to remove the plug.
- Do not connect too many plugs to one outlet in parallel, or else it may cause fire due to excessive power consumption.
- Do not approach the Digital Signage with open flame (e.g. a lighted candle), or else it may cause electric shock or fire.
- Do not put water filled container on the Digital Signage to avoid electric shock and fire due to water drops or splashing.
- Do not put any sharp objects, metal or liquid into the vents or let them touch the signal terminals to avoid short circuit, product damage, and electric shock.
  Do not block in air vent and other holes, do not install the unit beside near any heat source, and other devices which may affect the ventalation.
- The openings in the enclosure are designed for ventilation and cooling, to ensure long time reliable running of components inside the enclosure and prevent overheating. Do not block the openings when place the unit.

Do not touch the plugs with wet fingers, or else it will cause electric shock.

Do not use the Digital Signage in stormy weather, especially when there is lightning; instead, please disconnect the power and antenna plugs to avoid lightning strike.

Do not disassemble the Digital Signage without permission, or else it may cause electric shock or fire. Please ask qualified technician for repair.

- Do not let children climb onto the Digital Signage.
- Keep the small parts away from children to prevent them from swallowing.
- If the Digital Signage won't be used for a long time, please turn it off and pull out the power plug.
- To adjust the position or angle of the Digital Signage, please disconnect all power cords and move slowly to avoid falling.
- Do not scratch or knock the LCD with hard object, or twist and squeeze the LCD.
- Do not turn on the unit immediately when it is moved from a place with low temperature to high temperature, or else it will cause condensation and malfunction.
- Before cleaning the Digital Signage, please pull out the power plug; wipe with soft cloth; do not use industrial chemicals; prevent foreign matters from entering the machine. Improper cleaning (such as cleaning solution, water) may damage the product, erase the printed information, and even cause damage of the components if fluid flows in, resulting in machine failure.
- If the unit displays the same screen for a long time or the moving picture has fixed text or icon, it will leave ghosting on the screen and won't disappear when the unit is turned off; it is normal and isn't covered by the warranty.
- The power of the Digital Signage can be cut off by pulling out the plug.
- If the LCD screen ruptures and the liquid splashes on the skin, please rinse for 15 minutes with clean water immediately, and consult your doctor.
- To carry the Digital Signage with hands, please grab the corners and hold the bottom; do not apply pressure on the panel.
- Use the Digital Signage properly: Use in proper lighting conditions; insufficient lighting or long time watching will impair your eyesight.
- When the plug or coupler is used as disconnection device, it should be easy to operate the device.
- Insert the plug into the outlet properly, or else it may cause sparks and fire.
- The technical specifications printed herein and on the packaging are subject to change without prior notice. The Manual may be slightly different from actual operation, and the latter is applicable.

## Assembly and Connection

Packing List

Name		Name	
1 Digital Signage	●	1 Power Cord	●
1 Operation Manual	●	1 Cleaning Kit	●
		Two Keys	●

Note:

Contact local dealer if you have questions about the operation, debugging and connection of the unit; if the unit doesn't work normally, please cut off the power immediately and consult the dealer. The unit is class-A product, which may cause radio interference in living environment. In this case, please take feasible measures, and use power plug as the disconnection device.

Interfaces
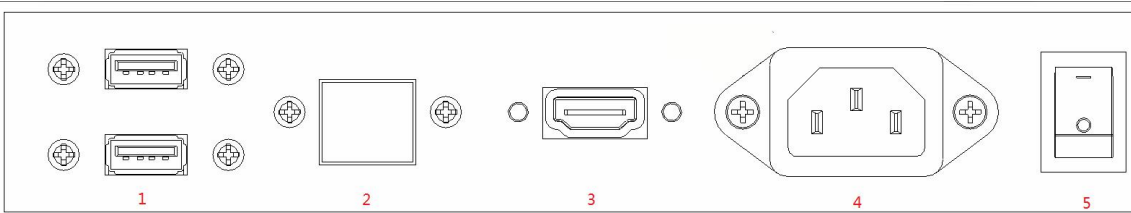
1. USB interface;   2. RJ45 interface(Ethernet);   3.HDMI input;   4.Power port;   5. On/Off button;
Note: Please pull out the power plug before installing or disassembling the unit!
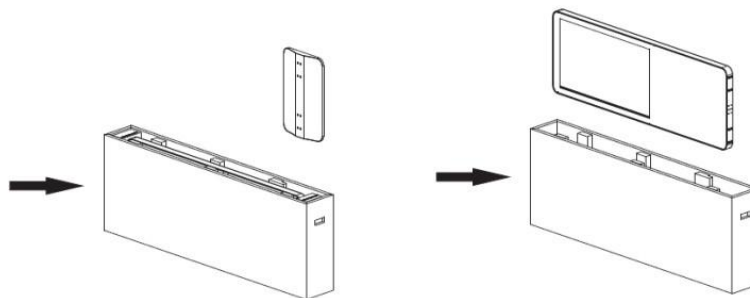
Steps for Assembly

1. Open the top cover as shown in Fig. 2;
2. Remove EPE on both sides of the box as shown in Fig. 3;
3. Take out the base from the package as shown in Fig. 4;
4. Carefully lift out the unit as shown in Fig. 5 and place it on the shipping box (avoid scratching) (Fig. 6);
5. Assemble the base and the unit with dedicated screws using hex socket wrench as shown in Fig. 6.
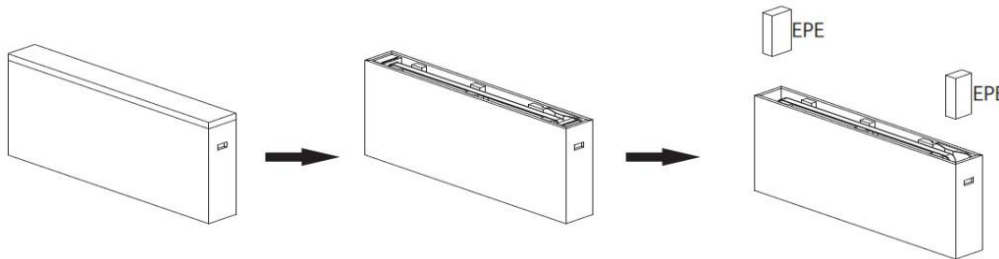
(Fig. 1)   (Fig. 2)   (Fig. 3)
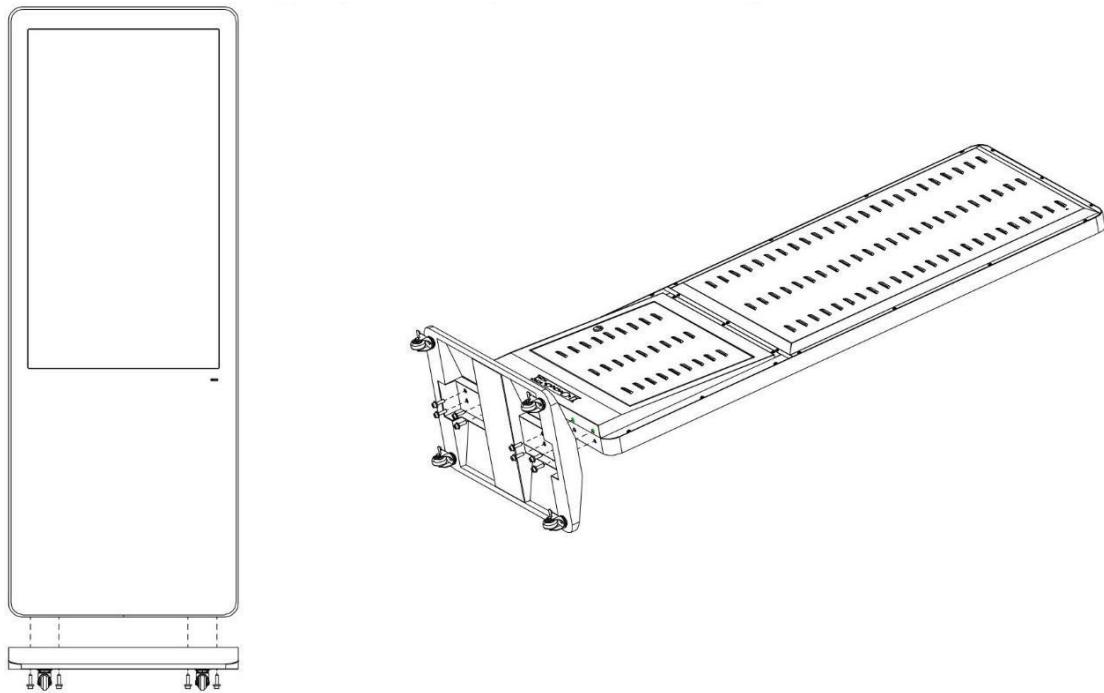
(Fig. 4)   (Fig. 5)
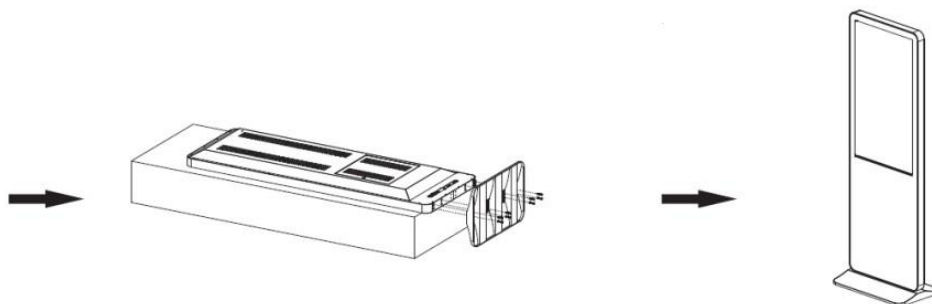
(Fig. 6)   (Fig. 7)

7

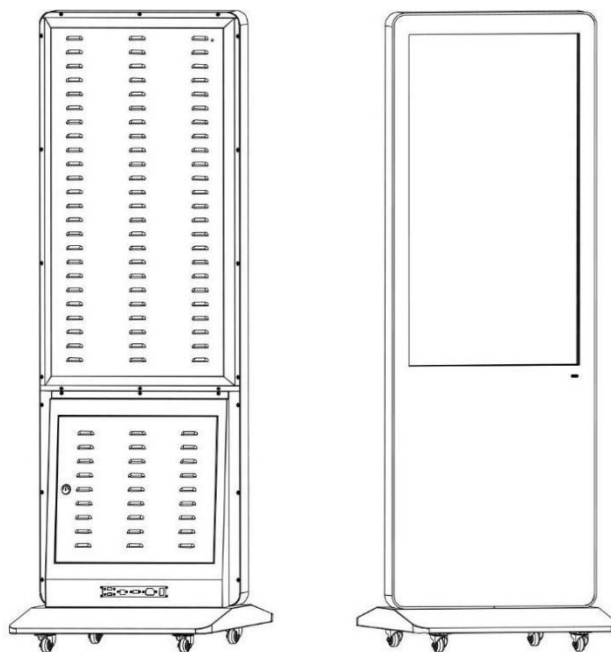## Steps for Assembly with Casters

1. To use this product as a mobile unit, install 4 casters to the metal base by threading them into the holes on the bottom of the base. Tighten all casters with a 14mm wrench.
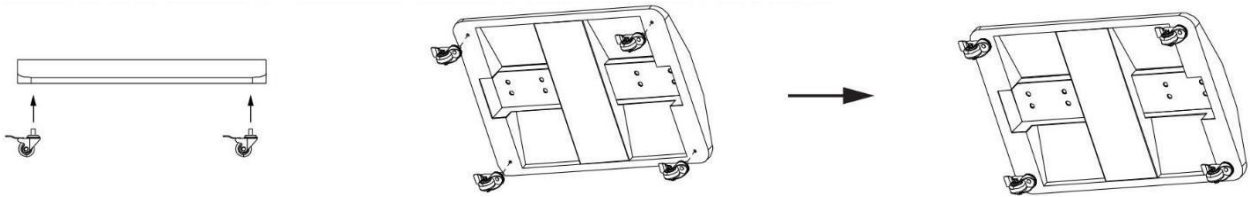
2. Connect the base and the digital poster with provided screws. Tighten all screws with an Allen wrench.

3. The assembly is finished:

Description of Basic Operation

Power on/Standby

Insert the power plug into the outlet. If the Digital Signage has the switch button "I", turn it on; if you press the switch button "O", the Digital Signage enters standby state.

In power on state, enter "System Assistant" and press the "⏻" button on the remote control, and the Digital Signage enters standby state.

About Launch Desktop

Description of Desktop Icons

Icon	Function
	Main applications
	Back
	Home page
	Background applications
	Sound -
	Sound +
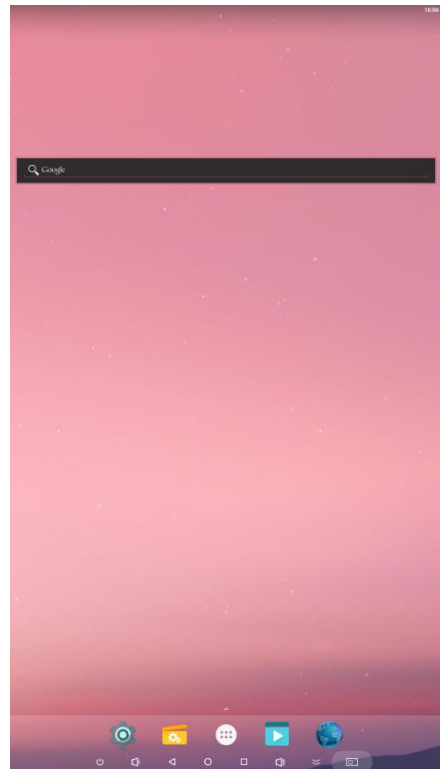
Wallpaper Switch

1. click "Setting"
2. At the setting menu, click "Display"
3. At the Display setting menu, click "Gallery", or "Wallpaper"
4. Then select an image you would like to set up as background.
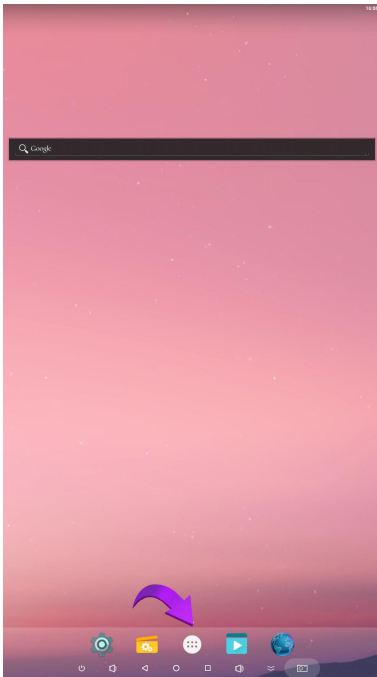5. Confirm the selection by clicking "Set wallpaper".
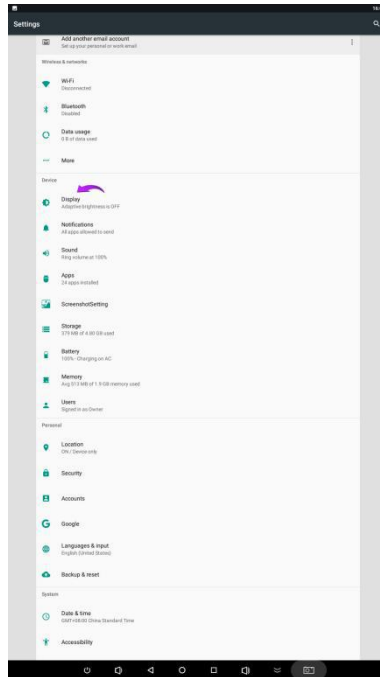

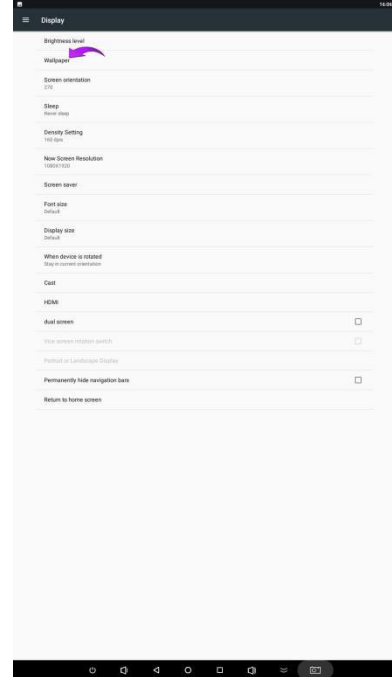Fig. 1   Fig. 2   Fig. 3

1. Click the Main Apps button ⊞" in the Home page to enter the "APPS" menu interface (Fig. 2);
2. Click the "Settings" icon in the "APPS" menu interface (Fig. 2) and enter "Wi-Fi" menu (Fig. 3);
3. Click options in the "Wi-Fi" menu and set up different options.
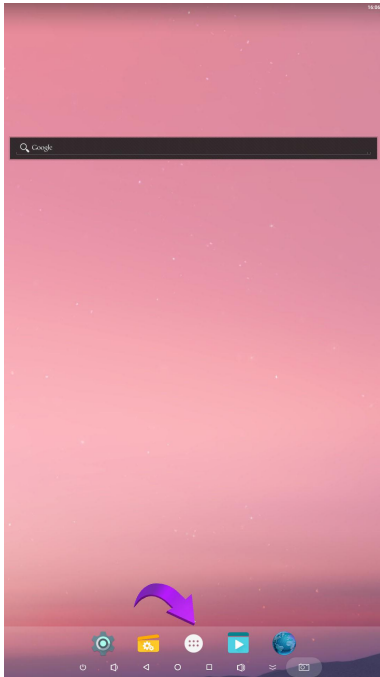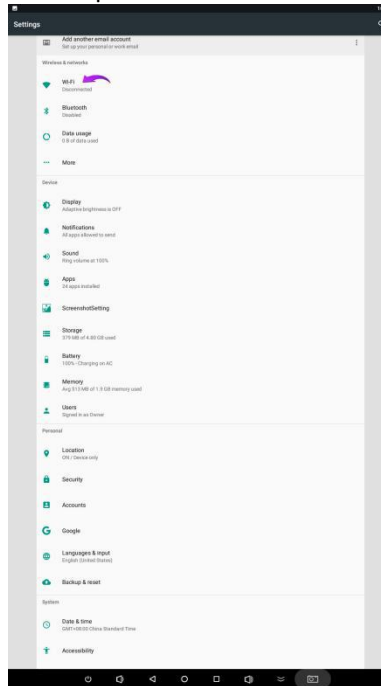

Fig. 1	Fig. 2

Description of Settings Interface (shown on the right)

Icon	Function
	WIFI switch
	Data usage
	Bluetooth
	Sound & notification
	Battery saver
	HDMI
	Display
	Storage
	Apps
	Screenshot Setting
	Location
	Accounts
	Backup & reset
	Security
	Language & input
	Date & time
	Printing
	Accessibility
	About device

Rev. 01/03/19

Date & Time

1. Step1: Click the setting
2. Step2: At the setting menu click the display menu
3. Step3: Click Date & Time;

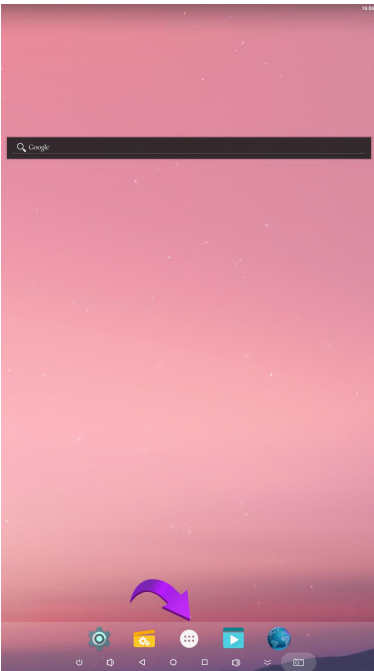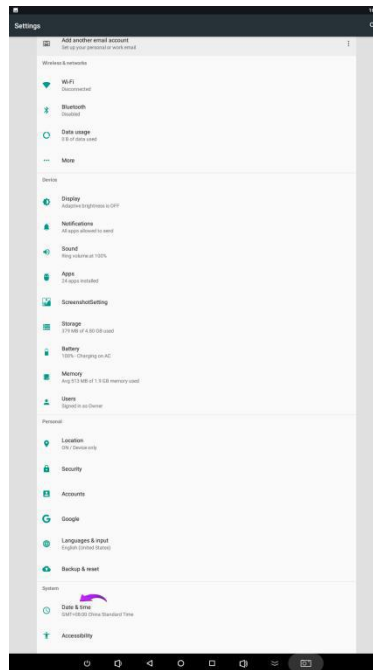

Fig. 1

Fig. 2

How to upload media files :

Step 1: Open the Android launcher screen and click the explorer app
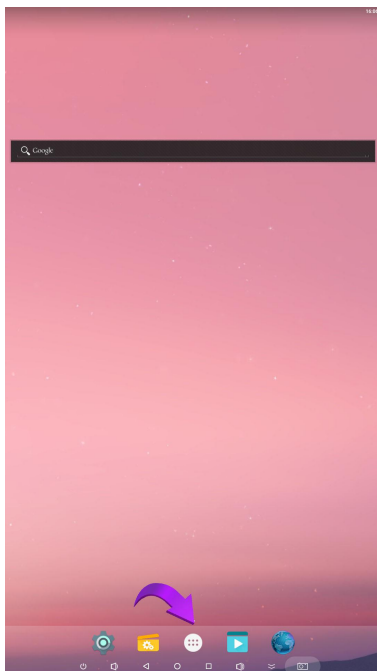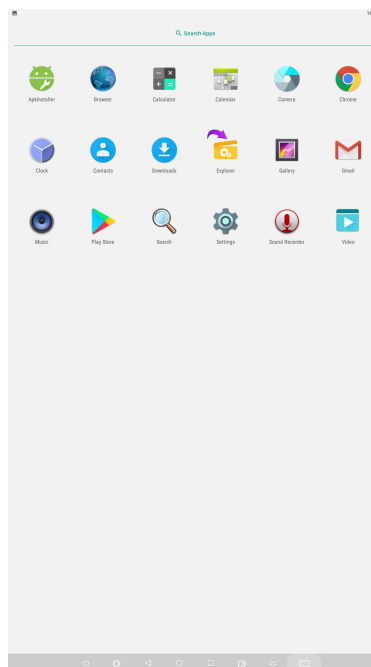
Fig. 1

Fig. 2

Step 2: Go to the USB storage menu click the USB storage button.

Rev. 05/13/19
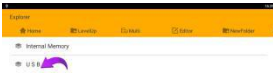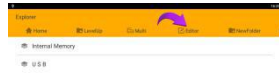
Fig. 1   Fig. 2

Step 3: At the USB storage menu select the media files which you want to copy to the media folder.
Click the Editor button, the pop menu will show then click the Copy.**How to Copy / Paste/ Delete**
the media files:

Step 1: Open the Android launcher screen and click the explorer app
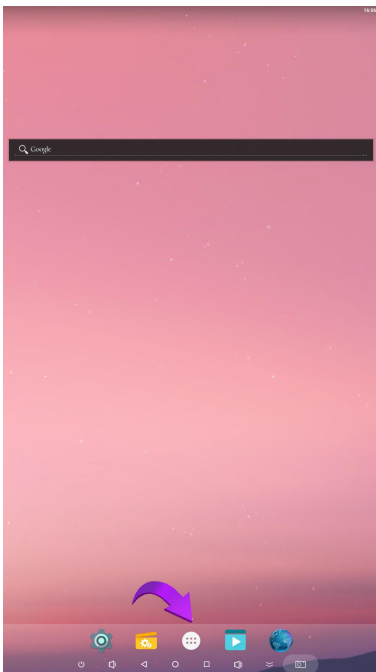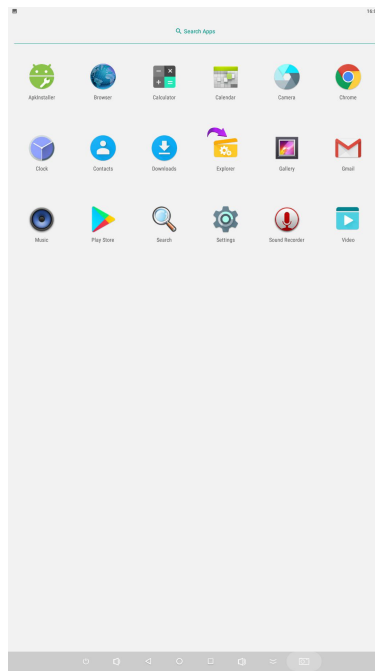
Fig. 1   Fig. 2

Step 2: Click home button and choose the file folder , click it until pop up " Copy / Delete /Paste… or click
Editor button it will also pop up " Copy /Delete/Paste… .Then click one of them to execute.

Fig. 1

Fig. 2
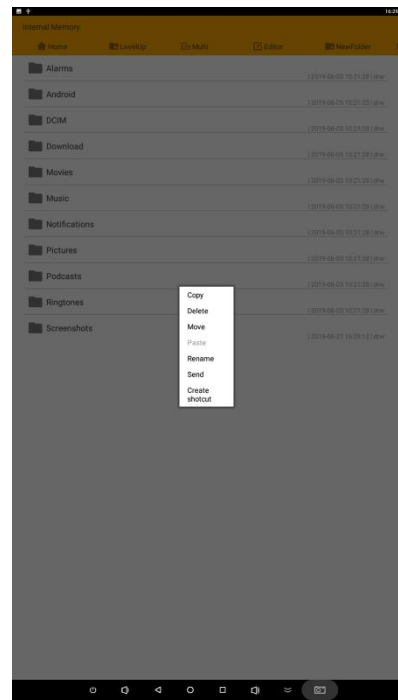
Fig. 3

Factory Reset:

1. Step 1, get into Settings, then click "Backup & reset" (Fig. 1)

2. Step 2, click "Factory data reset" (Fig. 2)

(Fig. 1)

(Fig. 2)

Rev. 05/13/19
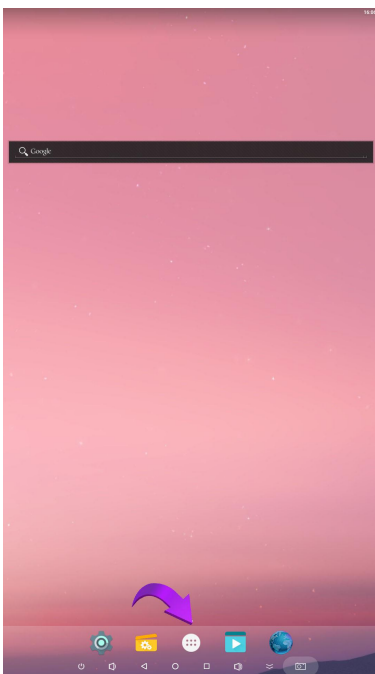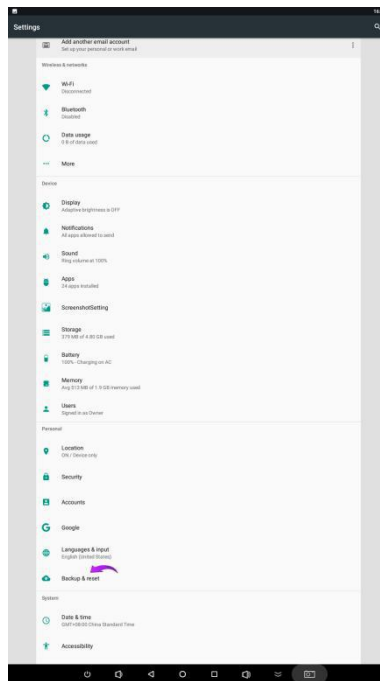
Choose System Language:

1. Step 1: Get into Settings, then click "Language & input" (Fig. 1)

2. Step 2: Click "Language", then you can choose the system language accordingly (Fig. 2)
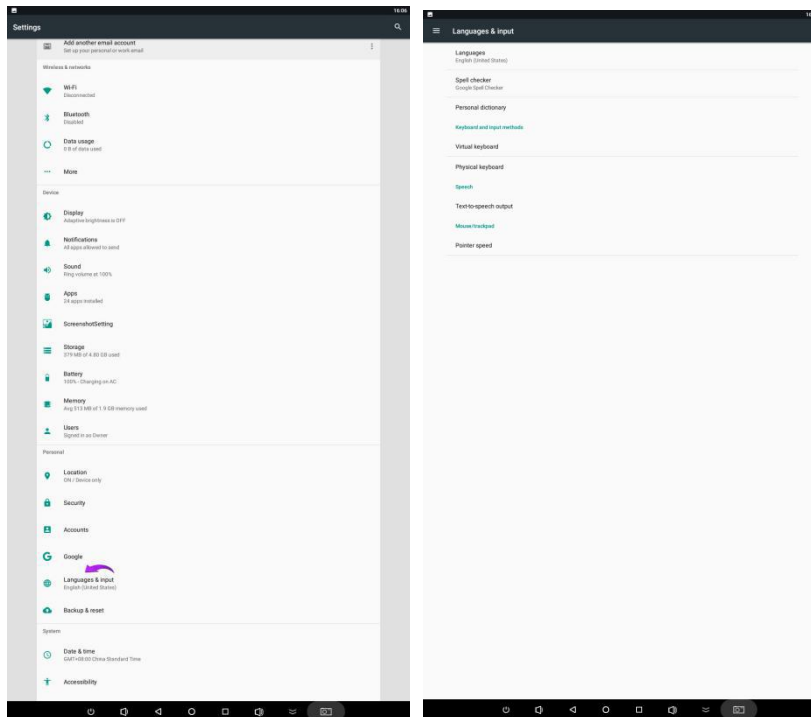
Technical Specifications

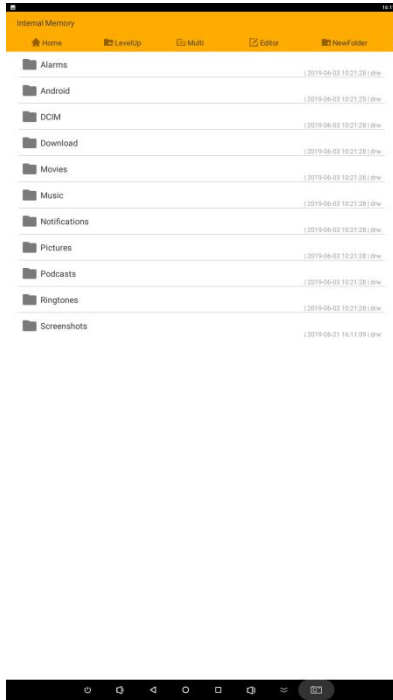| Model	Parameters
Panel	
LCD size	43"
Panel	LG
Light source	LED backlight
Resolution	1920*1080 (pixels)
Brightness (typ.)/(min)	400cd/m^2 (typ.)
Contrast (typ.)	4000:1 (typ.)
Response (ms)	6ms (typ.)
Pixel pitch	0.51 (H) mm * 0.51 (V) mm
Refresh rate	60Hz
Viewing angle	178° (H)/178° (V)
Life	60,000hrs (min)
Color saturation	68%
Viewable area	942mm x 530mm 16:9
Chromaticness	16.7M
Scheme Rockchip	RK3288
Power supply	
Voltage	100V~240V, 50-60Hz
Power Consumption	≤100W
Standby power (Watt)	TBD
Environment	
Operating temperature (°C)	0~40°C
Storage temperature (°C)	-10~60°C
Storage humidity	10~60% RH Non-condensing
Operating humidity	20~85% RH Non-condensing
Maximum operating time (hrs/day)	18 hours
Functions	
Operating system	Android 7.1.2
Processor	RK3288, quad-core
RAM	2G
Built-in memory	8G

Rev. 01/03/19

Functions	Decoding resolution	1080P FHD compatible
	Playback mode	Support loop, inter-cut, timer, shim, etc.
	Compatible network	Ethernet, 3G, 4G
	Touch support	Yes Capacitive G+G touch
	Supported Video Files	AVI, MPEG4, WMV, MKV, FLV, MP4, MOV
	Supported Photo Files	JPG, JPEG, BMP, PNG, GIF
	Audio output, supported files	Left and right audio channel, MP3
	RTC (real-time clock)	Yes
	Schedule power on/off	Yes
	System update	USB compatible
	App installation	Support download and installation
I/O interfaces	TF	N/A
	Ethernet	1 (RJ45)
	HDMI	1
	VGA	N/A
	Headset	N/A
	USB2.0	2
	SIM	1
Structure	Net weight	45kg
	Gross weight	72kg
	Unit dimensions (W*D*H)	635*56*1850mm
	Package dimensions (W*D*H)	≈ 1870*210*930mm
	Shell material	Aluminum profile/sheet metal
	Shell color	Silver/black
Language	OSD	English/Simplified Chinese

Troubleshooting the Digital Signs - FTDS43BK-T		
Issue	**Probable Cause**	**Solutions**
• No picture or sound	➢ Unit not plugged into wall outlet ➢ Power cord not properly connected to the terminal on the back of the unit. ➢ Unit not powered on ➢ Wall outlet not working	☐ Check that the unit is plugged into wall outlet. ☐ Confirm that the power cord is connected to the terminal on the back of the unit. ☐ Turn the on/off toggle switch located on the back of the unit, lower center, to the "on" position. ☐ Unplug unit, wait 20 seconds, plug unit back into outlet and try again. ☐ Make sure that outlet is working by plugging in a different electrical device. ❖ **If all of the above have been checked and the issue is not resolved, contact a customer service representative.**
• No sound (but picture is working)	➢ Volume not adjusted on the remote control. ➢ Content/Video does not have sound. ➢ Content format is not compatible. ➢ Speakers do not work.	☐ Adjust volume using the remote control ☐ Confirm content is one of the following compatible formats: AVI, MPEG4, WMV, MKV, flv, MP3, MP4, MOV. ☐ If unit is connected to Wi-Fi, go to YouTube and play video that has sound ☐ Unplug unit, wait 20 seconds, plug unit back into outlet and try again. ☐ Try playing the content on a different device (smart phone, computer or tablet) ❖ **If all of the above have been checked and the issue is not resolved, contact a customer service representative.**
• No picture (but sound is working)	➢ Content file damaged. ➢ Content format is not compatible. ➢ Screen damaged or defective.	☐ Confirm content is one of the following compatible formats: AVI, MPEG4, WMV, MKV, flv, MP3, MP4, MOV. ☐ Try playing the content on a different device (smart phone, computer or tablet) ☐ Unplug unit, wait 20 seconds, plug unit back into outlet and try again. ❖ **If all of the above have been checked and the issue is not resolved, contact a customer service representative.**
• Remote control not working	➢ Batteries not inserted properly. ➢ Batteries are dead. ➢ Standing too close or too far from the unit.	☐ Check that battery is inserted properly with positive and negative orientation. ☐ Insert new batteries. ☐ Stand within 1 foot of the front of the unit and point the remote directly at the sensor (green dot) ❖ **If all of the above have been checked and the issue is not resolved, contact a customer service representative.**

Rev. 01/03/19

• No Wi-Fi signal	➢ Wi-Fi is not turned on in product settings.
	➢ Wi-Fi is not connected to a network
	➢ Low or no signal from the router
	➢ Antenna is missing or not pointed upward.
	➢ Damaged PC board
		☐ Check that Wi-Fi is turned on in settings
		  o Click the settings icon from the Android home screen.
		  o Click "Wi-Fi".
		  o Click the on/off icon in the upper right hand corner to turn on Wi-Fi.
		  o "On" will appear on the upper left hand side.
		  o Then select your Wi-Fi network
		☐ Confirm that the antenna is in place and pointed upward.
		☐ Check that other devices are receiving the signal.
		  o **If other devices are not receiving the Wi-Fi signal, please contact your internet service provider.**
		☐ Unplug or reset the router and wait for 20 seconds. Restart the router and check.
		❖ **If all of the above have been checked and the issue is not resolved, contact a customer service representative.**

• Parts missing or Damaged	➢ Parts missed during manufacturing. (No charge for replacements) ➢ Parts lost or damaged by the customer. (There is charge for replacements)	❖ **Contact a customer service representative.**
• Having problems with installing software or getting content to play	➢ Did you purchase the DisplayIt!Xpress software from Displays2go? ➢ Did the customer purchase or downloaded another 3rd party software onto the product?	☐ If you purchased DisplayIt!Xpress software from Displays2go or from Best Wave directly, please contact Best Wave at **support@bestwave. com or (480)368-8900 ext. 2** ☐ If you purchased or downloaded another 3rd party software onto the product, please contact the 3rd party software company's customer support for assistance.
• Cannot upload content	➢ Content format is not compatible. ➢ Content files are too large. ➢ Port being used is defective ➢ App being used to play content is defective. ➢ Android board is defective.	Confirm content is one of the following compatible formats: AVI, MPEG4, WMV, MKV, flv, MP3, MP4, MOV. Confirm file size is less than available space. ❖ **If all of the above have been checked and the issue is not resolved, contact a customer service representative.**

Rev. 01/03/19

| Issues using pre-installed apps | ➢ Mistake in storing content to NAND Flash (shown on pg. 11)
➢ App is defective
➢ Android board is defective. | SlideShow App steps Explorer > Select USB > Select Multi > highlight files > Editor > Select Copy > Home > NAND > MediaFolder > Images> Editor > Paste
    o Open SlideShow app and select desired trasitions, slide time and looping > Play
MX Player steps > Follow same steps as SlideShow App > MediaFolder > Video > Editor > Paste.
    o Open MX Player and select video to play.
    o Loop video: While the video is playing, click on the video and there should be 3 dots in the top right corner. Click on the 3 dots > play > check desired Loop option
If all of the above have been checked and the issue is not resolved, contact a customer service representative. |

Cleaning and Maintenance

1. Avoid strong vibration or impact on the product.

2. Keep the product dry to avoid possible damage by moisture.

3. Don't place the product under direct sunlight which may shorten the service life of the screen.

4. Clean screen and product by using a glass cleaner.

5. If the product will be not used for a long time, pull out the power cord to prevent the internal short circuit or other potential dangers.

Names and Contents of Toxic and Hazardous Substances or Elements in the Product

Part name	Toxic and hazardous substances or elements					
	Pb	Hg	Cd	Cr^{6+}	PBB	PBDE
Display		O	O	O	O	O
Shell	O	O	O	O	✕	✕
Circuit board assembly *		O	O	O	O	O
Wires	O	O	O	O	O	O
Metal parts	O	O	O	O	O	O
Packaging materials*	O	O	O	O	O	O
Remote control		O	O	O	O	O
Speaker		O	O	O	O	O
Accessories*	O	O	O	O	O	O

* : Circuit board assembly includes PCB and the electronic elements thereof;

Packaging materials include packaging box, styrofoam, etc.;

Other accessories include instruction manual.

O : the content of the toxic and hazardous substances or elements in the part is lower than the limit specified in GB/T 26572-2011 standard.

✕ : the content of the toxic and hazardous substances or elements in the part is higher than the limit specified in GB/T 26572-2011 standard.

The table shows that the machine contains harmful substances inside. The data is provided by material suppliers and verified by the company according to the material type. Some materials contain harmful substances that can't be replaced in present technology. We are dedicated to improving this.

The EFUP of the product is ten years. The pollution control label is shown on the right.
The EFUP is valid only when the user operates in the normal conditions specified in the manual herein.

Waste Electrical and Electronic Products Recycling and Disposal Regulations

To protect the earth, if you do not need this product or its service life expires, please abide by your local *Waste Electrical and Electronic Products Recycling and Disposal Regulations* or send it to qualified local manufacture for recycling.

This Manual is for reference only and is subject to change without prior notice.

Rev. 01/03/19