

i DISPLAY
Interactive Digital Displays

Android Media Player

User Manual



About This Guide

Thank you for purchasing an i DISPLAY product. We recommend reading this user guide carefully in order to achieve optimal pleasure and performance and to maximize the service life of this product.

This guide describes how to setup the Android Media Player. This guide is intended for retail personnel, sales people and anyone who wants to set up the Android Media player.

- **Introducing the i DISPLAY Android Media player**, page 6, and components.
- **Getting Started**, page 9, describes how to set up and start the Android Media player.
- **Playing Content**, page 13, describes the various options for displaying videos, pictures and applications on the Android Media player.
- **Android OS Main Page**, page 18, describes the Android Media player Home screen and Application Drawer, which provides access to media player settings and other standard Android tools.
- **Accessories**, page 19, describes the mounting attachments and other accessories that can be connected to the Android Media player.

You may also refer to

<http://www.i-display.com/products/media-player-technical-specification>

to download the latest version of this user guide.

For support contact: support@i-display.com

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Safety and Warnings

NOTE

 This mark is applied to indicate that the equipment conforms to European safety and electro-magnetic compatibility standards.

WARNING!

 Main Supply: This equipment is designed to operate from a 100-240 Volt, 50/60Hz AC main supply. The use of other power sources may damage this equipment. Check that the voltage marked on the rating plate located at the rear of the power adaptor states 100-240V. The manufacturer will NOT accept responsibility for damage or injury caused by connecting to the wrong voltage.

WARNING!

 Main Adaptor: The supplied power adaptor is compatible with a standard main socket. NB. If the power adaptor or lead gets damaged, it must be replaced by a qualified service agent with an approved adaptor of the same type and rating.

WARNING!

 Dangerous voltage constituting a risk of electric shock is present inside this equipment.

WARNINGS!

 The main plug shall be the main disconnect device and shall remain operable at all times.

Do not push objects into holes and ventilation slots.

Do not expose this product to dripping or splashing or place any objects filled with liquids on or near the product.

Do not place a naked flame source, such as lighted candles, on or near this product.

Do not attempt to repair this product yourself. Always use a qualified service agent to perform adjustments or repairs.

Introducing the i DISPLAY Android Media Player

This chapter introduces the Android Media Player and its components.

What is the Android Media Player?

The Android Media Player is an Android-based (Android OS 2.3), media player that is specifically designed to be used by the retail market. The media player is a robust, yet slim line unit that features an embedded Wi-Fi and 3G (optional) with full HD 1080P resolution that can support almost any screen size. The Android Media Player features include content auto-play, auto-copy and auto-detect features

You may refer to the www.i-DISPLAY.com for more information.

Android Media Player Components

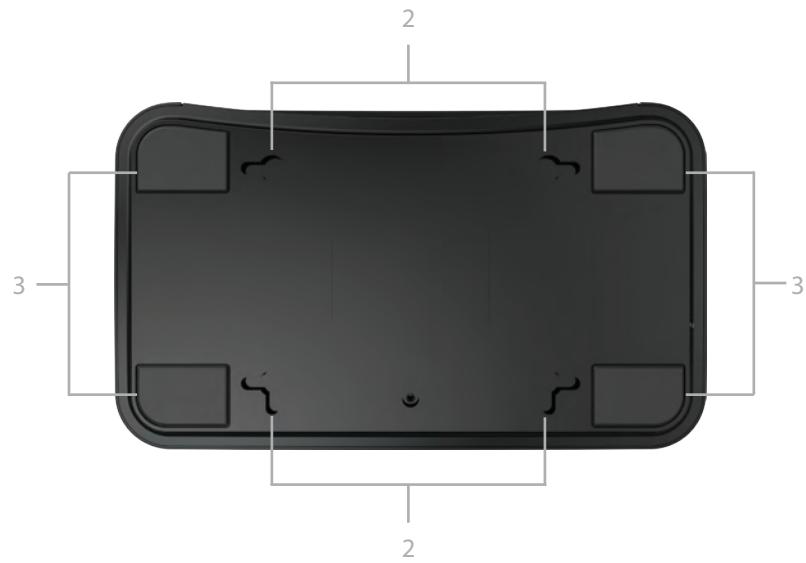
The following components are provided with the Media Player:

- Media Player
- Power Supply Unit
- HDMI Cable (2m long)

Android Media Player top view



Android Media Player bottom view





Android Media Player front view



Android Media Player side view

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Android Media Player back view

No.	Description
1.	Power Indicator
2.	Mounting option
3.	3M Mounting stickers
4.	ON / OFF Button
5.	Micro SD port for playing content
6.	USB Port
7.	PB-Molex connector for a Connect Box. A Connect box has up to 12 buttons (push or touch) and one motion sensor.
8.	DC In – Power Input
9.	Micro HDMI port for connecting the media player to screen
10.	Reset Pin Hole
11.	USB Port
12.	SIM Card Port

Getting Started

This chapter describes how to set up and start the Media Player.

Setting Up the Android Media Player

To set up the Media Player:

1. Remove the Media Player from the box.
2. Connect one side of the power supply to the Media Player socket located on back of the unit.
3. Plug the power supply into a standard electrical outlet.
4. Connect the HDMI cable to the display screen you wish to connect the unit to.
5. Press the On/Off button on the Media Player for approximately seven seconds.

NOTE

Each time the Media Player is powered on (after being off), it may take up to two minutes to begin to play.

6. Connect a USB Mouse to the Media Player if you wish to change/adjust the settings of the Media Player. Once connected, you will see the cursor of the mouse on the screen.

Logging Out of the Media Player Autoplay Application

The Android Media Player is preconfigured to automatically start its Autoplay application when it is turned on. The following describes how to log out of the i DISPLAY Autoplay application in order to go to a standard Android OS screen.

By default, the Android Media Player is not password protected. You have the option to disable/enable the requirement to enter a password using the Enable/Disable Password in order to ensure that only authorized retail personnel can modify and configure it.

To access the Android OS screen:

1. While content is playing, quickly press the On/Off (front) button (for one second). A password window is displayed, as shown below:

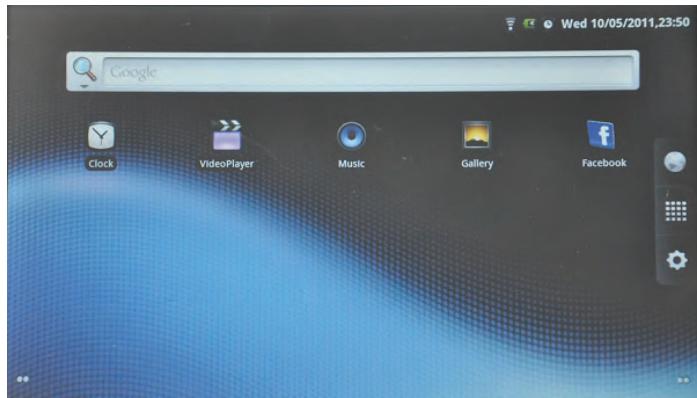


2. Click in the white field with a USB Mouse to display the virtual keyboard.
3. Type in the password. The default password is: 11223344
4. Click the Done button and then the OK button. The following window is displayed:



5. Click the Exit button to exit the Autoplay application and to display the Android OS main screen.
– OR –
Click the Set password button to enter a new password.
6. Enter the password twice (once in each field) and click the OK button. A success message is then displayed. Click the OK button.
The tablet then either:
Starts to play the content of Folder 0 (in ON mode), or
Goes into standby and displays the START indicator which can be clicked to start playing the content of Folder 0.

If you change the password, please make sure to write it down and remember it. If you forget your password, then you must contact i Display for a new password. A standard Android Home screen is then displayed, as shown below:



To turn off the Android Media Player:

1. While the Media Player is playing, quickly press the On/Off button on the front of the Media Player. If password is enabled, a password window pops up.
2. Enter the password and click the OK button. The media player opens a standard Android screen.
3. Press and hold the On/Off button on the front of the Media Player. The media player will then ask you to confirm that you want to power off. Use USB mouse to confirm.

Playing Content

This chapter describes the various options for displaying videos, pictures and applications on the Android Media Player.

What Does the Media Player Play?

The Android Media Player runs standard Android applications (apk) using Android OS 2.3.

Video Formats: The Media Player plays the following video formats:

- MPEG1 / MPEG2 / MPEG4
- Divx4 / Divx5 / Divx6
- H.264
- AVI

Image Formats: The Media Player displays the following image formats:

- JPG
- BMP
- PNG
- GIF

You may refer to the

<http://www.i-display.com/products/media-player-technical-specification>

to download the latest Android Media Player specification sheet.

How Does the Android Media Player Play?

The following describes the various options for displaying videos, pictures and applications (Android apk) on the Android Media Player.

Default AutoPlay – Folder 0

The Android Media Player disk drive contains a Root folder that can contain sub-folders. By default, the Media Player plays the content of a folder named 0. This folder is located in the Root folder.

If Folder 0 contains multiple content files, then each is played one after the other in the order in which they were added to the Media Player.

- **Video files** are played one after another.
- **Image files** are each displayed for three seconds.
- **Applications** continue running until there has been no user interaction for over three minutes (and the tablet is in Standby mode) or if you exit the application by quickly pressing the On/Off (Back) button. If you place an application in Folder 0, then it should be the only file in that folder.

For example, if a folder contains an image file and two video files in the following order:

- car-choice-banner.jpg
- car-choice-banner.mpeg
- top-of-range.mpeg

then the Android Media Player will first display the car-choice-banner.jpg image for three seconds, and then play the discount-car.mpeg video and then play the top-of-range.mpeg video.

While the Android Media Player is playing, all the content in Folder 0 will play the sequence repeatedly in an endless loop.

Connect Box – Selecting Folders 1 – 12

The Android Media Player can also play the content of folders named from 1 to 12 if a Connect Box is connected to it. This Connect Box has 12 connectors for 12 push buttons or touch sensors.

The Android Media Player plays the content of Folder 0 by default. If one of the Connect Box buttons is pressed, then the Android Media Player plays the corresponding numbered folder once.

After it finishes:

- The content of Folder 0 will then play repeatedly.

For example:

- If button number 1 is pressed on the Connect Box, then the content of Folder 1 is played once and then the content of Folder 0 is played repeatedly.

Motion Sensor

The Android Media Player can also have an additional connector for a motion sensor. The motion sensor enables the Android Media Player to play the content of a folder named MS, as follows:

This option enables you to set up the Android Media Player so that by default it plays the contents of Folder 0 until the sensor detects motion. Then the Android Media Player automatically starts playing the content of the MS folder.

The content in the MS folder is played repeatedly as long as motion is detected. When motion is no longer detected, the Media Player goes back to playing the content of Folder 0 repeatedly. If the Media Player is playing an application and it is not touched (if connected to touch screen) for more than three minutes, then it returns to playing the content of Folder 0 repeatedly.

You may refer to the

<http://www.i-display.com/products/media-player-technical-specification>

to download the latest Android Media Player specification sheet.

Barcode Reader – Plays Per Barcode

The Android Media Player can be used to automatically play the content of a specific file in the Root directory of the Media Player when a barcode reader is connected.

Copy a file onto the Android Media Player with the same exact name as the barcode. The media player will then automatically play the content of that file when a product with that barcode is read.

For example, If the barcode of a product is **12345678**, then a file named **12345678** can be placed in the Root folder of the Android Media Player. The Android Media Player will then play the file named **12345678** when the barcode reader scans the product barcode **12345678**.

How Do I Load Content?

Android Media Player auto copy feature makes loading content simple!

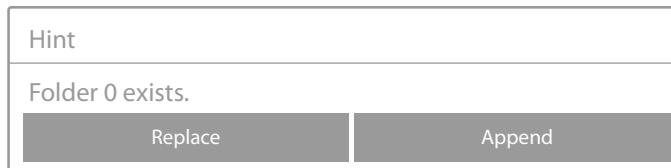
You can load content files using either a USB drive, a Micro SD, Wi-Fi or a mobile network (using a SIM card), as follows.

USB – Loading Content

Loading Content into Folder 0

To load from a USB drive into Folder 0:

1. Create a folder named 0 on a USB disk. Remove all other content from the USB drive.
2. If a video or image is playing, then insert the USB drive into one of the two USB ports on the back of the Media Player.
If an application is playing, then insert the USB drive into one of the two USB ports on the back of the Media Player and then after ten seconds, quickly press the On/Off button on the front of the Media Player.
After a few seconds a window pops up requesting a password.
3. Enter the password and click the OK button. If this is the first time you are using the Media Player, then the password is: 11223344. The following window is displayed:



4. Click the Replace button to delete the content of Folder 0 on the tablet and replace it with the content of Folder 0 on the USB drive.
– OR –
Click the Append button to add the content of Folder 0 on the USB drive to the content of Folder 0 on the Media Player.
5. A success message is displayed after the content has been copied. The file(s) in

Folder 0 will automatically start playing. If multiple files are in Folder 0, then they play one after another repeatedly.

If the tablet does not start to play the content, then restart it and the content should start playing automatically after restart.

NOTE

Do not turn off the Media Player or remove the USB drive while it is copying. We recommend removing the USB disk after its content has been successfully copied.

Loading Content into Other Folders

You can use the standard Android Explorer to copy folders/files to the Media Player. For example, into the Folders 1 through 12, the MS folder or a file with the same name as a barcode.

By default, the Android Media Player automatically runs i DISPLAY's Autoplay application. For instructions on how to log out of the Autoplay application in order to access standard Android OS screens, refer to the Logging Out of the Android Media Player Autoplay Application section.

Loading an Application

If one of the files that was copied to the Android Media Player is an application (Android apk) then an installation wizard automatically starts.

1. Click the Install button

2. Click the Open or Done button to run the application.

Micro SD – Playing Content

A Micro SD card can be used to play content on the Media Player. After it is entered the Media Player will start repeatedly playing the content on the Micro SD. This procedure does not affect the contents already on Folder 0 of the Android Media Player, meaning that when you remove the Micro SD card, the media player will go back to playing the content in Folder 0.

To play Micro SD content:

Insert the Micro SD card into the Micro SD port on the back of the Media Player.

A password window is automatically displayed.

The content of the Micro SD card will automatically play in a loop.

You must leave the Micro SD card inserted in the Media Player as long as it is playing.

Browser and Market – Downloading Content

You can download content using Wi-Fi or mobile connection to the Root folder of the tablet and then move the content to Folder 0 (or Folders 1 through 12) using



Explorer which can be accessed from the Applications Drawer.

as described in the Logging Out of the Android Media Player Autoplay Application

section on page 9.

To use the Browser and the Market you must connect a USB Mouse into the USB socket in the back of the media player.

- OR -

If the Media Player is connected to a touch screen with Android 2.3 OS drivers then you can use the touch screen instead of a mouse.

Android OS - Main page

This chapter describes the Android Media Player standard Android Home screen and Application Drawer, which provides access to Media Player settings and other standard Android tools.

Home Screen

While you navigate in the Android environment, you can return to this Home screen by clicking the Home  button.

The Home screen provides the following options:

-  Browser: Click to open a standard web browser in which you can access the Internet and surf the web.
-  Applications: Click to display the Applications Drawer which enables access to the applications and tools installed on the Android Media Player. You may refer to the Applications Drawer section below for more information.

Applications Drawer

The Android Media Player provides a standard Android Application Drawer which enables access to the applications and tools installed on the media player. The following describes some that are especially relevant to the Android Media Player

-  Settings: Click to configure media player settings, such as Wi-Fi, Mobile and so on.

 i Display: Click to return to autoplaying the content of Folder 0 in a loop.

 Explorer: Click to open a standard file explorer window which you can use to transfer files to/from the Android Media Player. This option is especially useful for transferring files downloaded from the Internet to Folder 0.

 Market: Android Market is an online software store developed by Google for Android OS devices. You can use it to download applications to the Android Media Player.

Settings

Click the Settings  button to configure typical Android setting options. Take note of the following options that are particularly relevant for the Media Player.

Setting Up Wireless Networks

You can click the Settings Wireless & networks option to configure Wi-Fi and

Mobile networks settings in order to download content to the Android Media Player.

This menu also enables you to configure Bluetooth settings for working with Bluetooth accessories, such as Bluetooth earphones.

Display Brightness

Use the Settings --> Display --> Brightness option, which can be accessed from the Android OS screen.

Display Volume

Use the Settings --> Display --> Volume option which can be accessed from the Android OS screen.

Media Player Accessories

This chapter describes the mounting attachments and other accessories that can be connected to the Android Media Player.

Touch Screen

The Android Media Player can be connected to a touch screen that supports standard Android OS 2.3 drivers. This enables the connection of a Media Player to a touch screen to create an interactive experience and to be used by applications (apks) that you load, such as games.

Printer

The Android Media Player supports standard Android OS 2.3 printer drivers. This enables the connection of a printer that can be used by the applications (apks) that you load, such as coupon printer

Barcode Reader

The Android Media Player can be used with barcode readers that support standard Android OS 2.3 drivers to automatically play the content of a specific folder by connecting a barcode reader. You can copy a folder onto the media player that has the same name as the barcode. The media player will then automatically play the content of that folder when a product with that barcode is read.

For example, If the barcode of a product is **12345678**, then a file named **12345678**

Connect Box and Buttons

The Android Media Player can be connected to a Connect Box that has 12 push buttons or touch sensors. Android Media Player will then play the relevant folder according to which button is pressed, as described in the Connect Box – Selecting Folders 1 – 12 section on page 16.

This Connect Box can also have one motion sensor which enables the display of a folder named MS when motion is detected, as described on page 16.



i DISPLAY

Interactive Digital Displays

For further information or support, please contact: support@i-display.com

FCC Statement

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.

NOTE: 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.

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.