

# **User Manual**

Version 1.0

( **ForREALTEKchipset** )

**LCD MEDIA PLAYER**

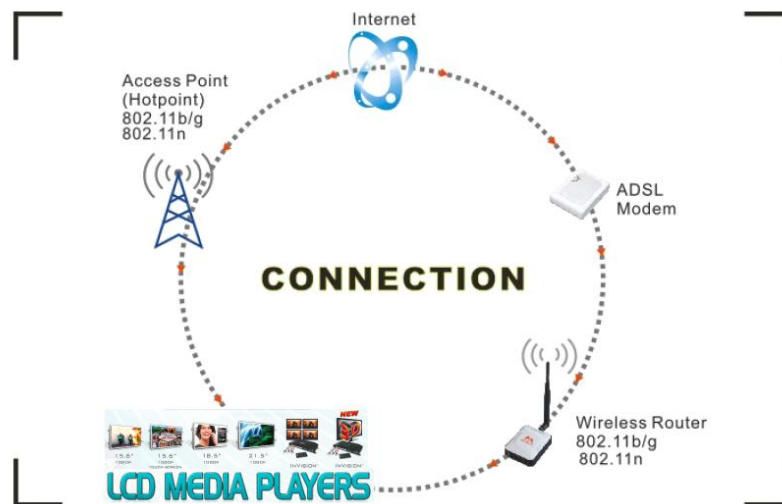
**Wireless Module - Android**

**DTCOMM-DL**

## 1. Introduction

This Wireless Module - Android is used with *HungWai* LCD Advertising Media Player and Advertising Set-Top-Box. It's easy to use and easy to setup. This Wireless adapter is an ideal access solution for wireless Internet connection and wireless transmission.

Atypical Internet access application for the Wireless Module - Android is shown as the following figure:



There are two different ways to access Internet:

1. With a Wireless Module - Android, receiving and transferring signal via a wireless router, then passed to an ADSL modem, then to local ISP (Internet service supplier) through a telephone line.
2. With a wireless adapter, receiving and transferring signal via local AP (Access Point) or so called Hotpoint directly.

**Tips:** An 802.11 LAN is based on a cellular architecture where the system is subdivided into cells, where each cell (called Basic Service Set or BSS) is controlled by a Base Station (called Access Point, or in short AP).

The WLAN ( Wireless Local Area Network) normally means the WiFi local network.

## 2. Package Contents

1pc Wireless Module - Android.

Insert in the USB port of the Media player.

Or package in a PE bag as an accessory with the Media player package

### 3. Security

Because wireless networks rely on radio signals to transmit data, they are not as secure as wire network. Wireless networks are susceptible to viruses and breaches like eavesdropping and need to be protected in order to be secure.

There are many security measures to safeguard wireless networks, protect the data, and keep unauthorized users out. Hotspots, on the other hand, are often free of standard security practices in an effort to make it easy for anyone to connect. It may be found that some pay hotspots administered by service providers offer have some level of security, however, when using a hotspot, it's always a good idea to be proactive and to employ security measures of your own.

### 4. Key terms

**Wi-Fi:** short for “wireless fidelity”, a generic label that refers to wireless networks or networking.

**Hotspot:** a specific geographic location in which an access point provides public wireless broadband network services to mobile visitors through a WLAN.

**Throughput:** the amount of data transmitted in a set amount of time.

**Bandwidth:** the amount of data that can be carried from one point to another in a given time period (usually a second).

**Chipset:** a group of microchips that execute various functions (like memory) to support the CPU.

### 5. Specifications (Typical)

Operation Frequency:	2412MHz~2462MHz (802.11b/802.11g/802.11n(H20)) 2422MHz~2452MHz (802.11n(H40))
Channel numbers:	11 for 802.11b/802.11g/802.11(H20) 7 for 802.11n(H40)
Channel separation:	5MHz
Modulation technology: (IEEE 802.11b)	Direct Sequence Spread Spectrum (DSSS)
Modulation technology: (IEEE 802.11g/802.11n)	Orthogonal Frequency Division Multiplexing(OFDM)
Data speed (IEEE 802.11b):	1Mbps, 2Mbps, 5.5Mbps, 11Mbps

Data speed (IEEE 802.11g):	6Mbps, 9Mbps, 12Mbps, 18Mbps, 24Mbps, 36Mbps, 48Mbps, 54Mbps
Data speed (IEEE 802.11n):	Up to 150Mbps
Antenna Type:	Internal Antenna
Antenna gain:	3 dBi

Bluetooth V3.0

## 6 ENVIRONMENTAL

### Operating

Operating Temperature: 0°C to +70 °C

Relative Humidity: 5-90% (non-condensing)

### Storage

Temperature: -40°C to +80°C (non-operating)

Relevant Humidity: 5-95% (non-condensing)

### MTBF caculation

Over 150,000hours

## 7 Disclaimer

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## 8 FCC Statement

1. 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.
- (2) This device must accept any interference received, including interference that may cause undesired operation.

2. 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.