Content Management Configuration

Signage Players

Previously there were two versions of Android Signage Players either a memory stick sized mini Android PC or a mini PC size player - both plugged directly into a digital display with digital signage software

Nowadays an Android CPU is built into LCD Digital Signage Kiosks and LCD displays, LED displays have a choice of using a standalone Android multi-media players or a video controller (such as Novastar) that require a separate media players with Content Management System (CMS) software controlling the media shown on the screen.

Features...

Locally installed or centrally managed Content Management System (CMS) from a remote server Protection from internet failure
Simple and easy to deploy media
Wide range of media player support
Windows, Ubuntu and Android OS available
Support for RSS Feeds or a simple TF card or USB Disk.

An Android media player is by far the most common standard for LCD and either an Android media player or Video controller for LED displays.
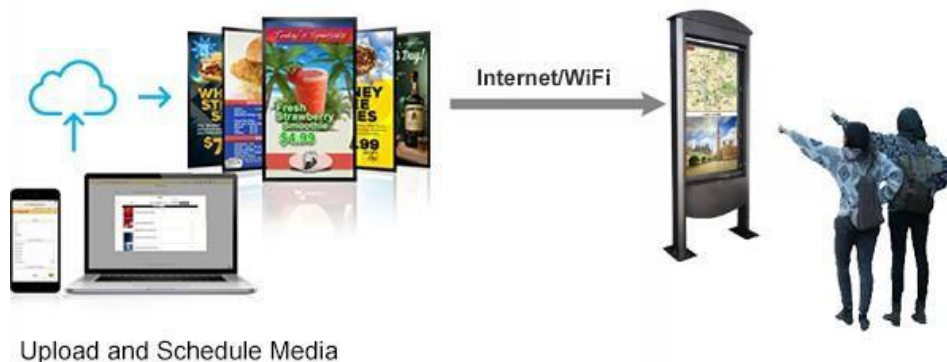
Content Management System (CMS) software can be installed locally or on a remote server and has the advantage of being available for free, or a self supplied CMS can be used, and only needs an Android multimedia player.

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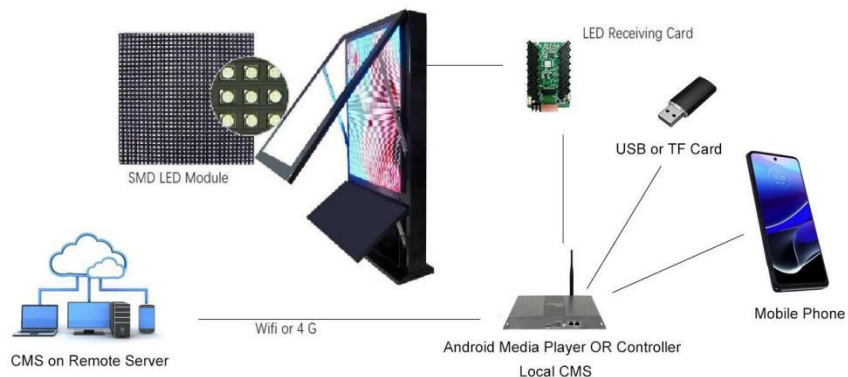
Connecting an Android Signage Player to a Display

Our larger LCD displays have a Smart Android device built-in but for LED displays you will need to connect an Android Media player or a Video Controller to the display first and upload or connect to an online CMS system.

How Remote CMS Works

Internet/WiFi

Upload and Schedule Media

Alternatively use the Android medi player Wi-Fi feature which can also be achieved on a mobile phone, you can also connect using 3G, 4G and 5G when a module is installed and inserting a SIM card .

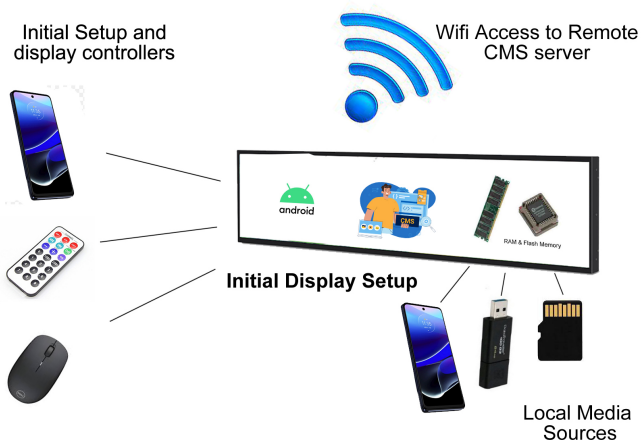## What do you get with Free CMS Software

Our free Content Management System (CMS) is a full commercial package supplied with our larger LCD displays providing a high quality management system either locally on through a "cloud" based connection.

Digital signage is essentially any form of digital display, monitor or TV, used for showing media such as notices, public announcements, advertisements, etc controlled by a CMS system

There are an ever increasing number of CMS APPs that do this job mostly using Android Solutions at low cost.

How does remote CMS work?

The display needs to be setup initially by turning it on and using one of the setup controllers to access either the Android App to connect and setup a WiFi connection to the remote server or to access the onboard CMS system to load media from a mobile phone, USB disk or TF card.

A "client/server" application – comes in two parts.

The "Client" App

The client App shows content from onboard local memory by uploading from a mobile phone, TF card or USB disk. Each CMS client has its own schedule of content and layouts for the screen display. The client App runs on the inbuilt Android media player, and communicates with the server and displays media defined by the CMS or from locally stored media.

If the remote connection fails the "client" App will continue to show the locally downloaded and saved media.

The "Server"

The server is the central administration interface for the display network and can operate a large number of remote displays for many different uers, controlling media, timing of schedules for pictures and video including sound.

The server is used to upload content, design layouts, schedule content to the display and various other administration tasks. The server is normally hosted online and communicates with the client software on the Android Media Player via the internet, using WiFi, ethernet cable or 4G etc the server can be accessed remotely from anywhere to change content, timings and display layouts etc. remotely from anywhere to change content, timings and display layouts etc.

Set-up CMS server

There are three options for the server

To use the free server - you need the server address with a user name, password that we supply free of charge
You can use the "cloud" server on-line or download and set-up the server software on your own server on a network in your premises.
We set-up and host your own server software - then you can manage the system yourself online or we can do this for you.
Once this is done, you'll be able to log in to your configured server with the username and the password you assigned to it earlier.

Using CMS Software

The display of your digital signage artwork in various formats including Flash, video, Power Point, Images or plain text is controlled from the server dashboard which is accessible via a PC, Laptop, tablet or mobile phone etc connected via a LAN cable , WiFi or 4G etc

There are a large number of CMS packages availavle here is an outline of the free Xibo system, our Commercial LCD version is available after purchase of one of our LCD signage displays. Most CMS packagesare similar as shown below :

Instructions and guide to using a typical digital signage CMS System is included below, a guide to artwork design suitable for digital signage media is included in our Digital Signage Guide here.