



Discover Video

Signage Stick

User Guide

Version 1.0

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Discover Video LLC
www.discovervideo.com

General Description

The Discover Video Signage Stick is a HDMI "stick" computer that displays Digital Signage from a DEVOS system. It features remote setup and management and fully automatic operation.

NOTE: The Media Player ships with a default signage URL already configured. This comes from the public Internet and may or may not play well depending on your network bandwidth.

Installation

The player may be plugged directly into a TV HDMI port, or extended with the provided HDMI extender cable. Power the device using the included mini-USB cable connected to a USB port of the TV or to the included AC power supply.



Connect the Ethernet adapter. For initial setup, you may insert a keyboard/mouse (not included) into the unit's USB port. A 2 port USB hub is included, as well as a USB to Ethernet adapter (we recommend using wired Ethernet).

If you don't have an Ethernet connection, the TV may display a "Page Not Found" error upon power up. This is because you have not yet setup a WiFi network. Connect a keyboard and press Alt+F4 to close the page, and then close the Discover Video program running on the desktop. In the lower right of the screen, find the network and join a WiFi network as you would do with any Windows computer.

If you are not fast enough, the signage page may return and you will have to press Alt+F4 again to close it.

Once you have set the WiFi network, in a few minutes the default Digital Signage page should start playing if there is a connection to the public Internet.

To use physical Ethernet, attach the included USB adapter to the SignStick, and in a few moments it will automatically be recognized.



Get The IP Address

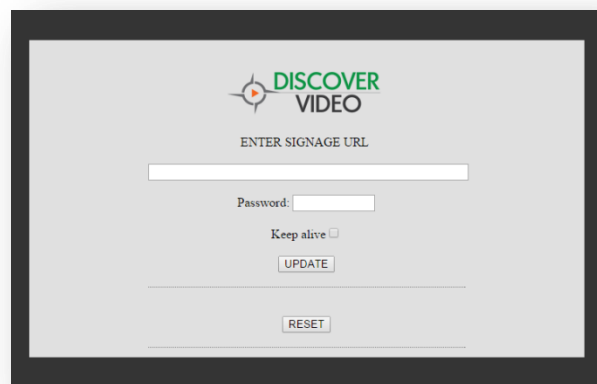
Install the Discover Video Finder program on a computer that is on the same network at the player.

<http://discovervideo.com/download/DigitalSignage>

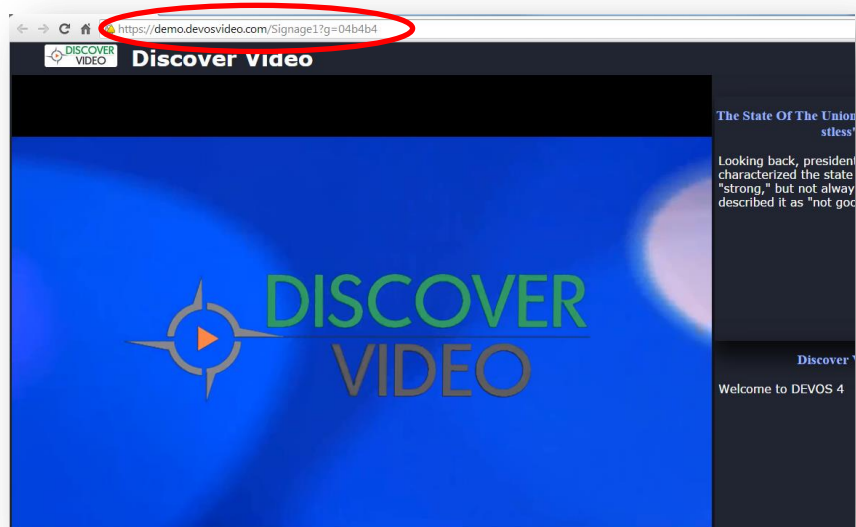
This program will display the IP addresses of all Digital Signage Sticks on the same network (same LAN). Double-Click on any IP address to open the management page using your default browser.

Set The Digital Signage URL

Enter the IP address of the Stick in a browser, or double-click in the above program to display the Media Player settings interface.



Enter the full URL of the Digital Signage web URL from DEVOS. You may obtain this URL by simply opening the Signage page in DEVOS and copying the URL from the browser navigation bar (see illustration below). After entering the URL, enter the password: DISCOVER (upper case).



Keep Alive

The Keep Alive function tells the Media Player to constantly check on the status of the player, and if for some reason the player has entered an error condition, it will automatically restart. You should use Keep Alive with signage display for DEVOS 4.0.016 and above only.

Reset

You may restart the Media Player by selecting Reset. This may be useful if the player becomes confused for some reason. Allow one minute for reset to take effect.

API

The Media Player supports a simple querystring method:

`http://[ip]/api.php?url=[url]&reset=[true/false]&pass=DISCOVER&keepalive=[true/false]`

Where

ip	is the IP address of the SignStick
url	is the URL of the DEVOS sign to be displayed
reset	true or false, causes a system reset
pass	must be DISCOVER (case sensitive)
keepalive	true or false, sets keepalive function

HDMI Output

The SignStick outputs HDMI only. To use other video formats, you may use HDMI media converters, available from many sources.

In some cases, the audio from the player may not be available if the TV is started before the player. This is a HDMI signal issue that can occur on all HDMI devices. If you experience this, remove and reinsert the HDMI cable.

Specifications

- 0.4"D X 3.9"H X 1.5"W
- Intel Atom CPU
- Intel HD Graphics
- USB 2.0
- HDMI V1.4a
- HDMI Embedded Audio
- IEEE 803.11b/g/n
- 0 to 35 C operating temp range
- Package includes: HDMI Extender Cable, USB Power Cable, USB Power Supply, 2-port USB Hub, USB/Ethernet Adapter

Appendix

Controller

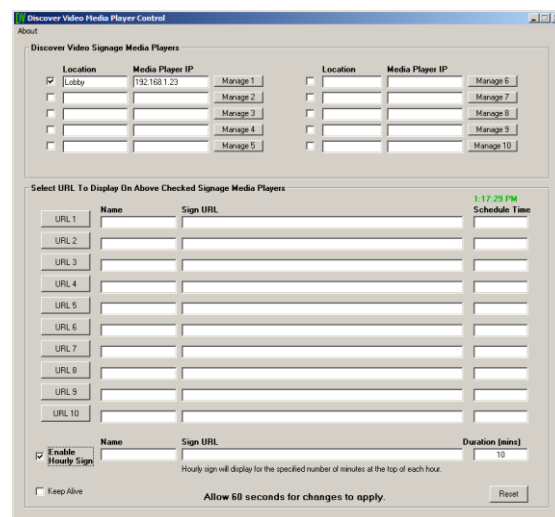
You may use the Digital Signage Media Player to control and schedule the display of Digital Signage, live or on-demand video from Arcus, StreamSIE Service, or 3rd party streaming sources. Download from <http://discovervideo.com/download/mediaplayer/setupMediaPlayerControl.exe>

You can set the URL to be displayed on ten players using the Media Player Controller program.

Enter the Name and IP address of up to ten players.

Enter the DEVOS Digital Signage URL, a `rtmp://` stream URL, or a web page URL in any of the 10 URL slots and enter a name to easily identify it.

Check the player you wish to control, then select the URL button you wish those players to use.



Allow 60 seconds for the change to take effect on the target media players.

If you enter a time (e.g. 9:00:00 AM) for a scheduled time, then that URL will be used at that time. Leave the scheduled time blank for no schedule. You may use the schedule time to cause the display to change every day at that time.

If you check "Enable Hourly Sign", then you may enter a name, URL, and Duration for a sign that will be displayed at the top of every hour. When the duration of the hourly sign is reached, the sign will return to the last setting.

Because some video streams are non-standard, and some web pages may have unsupported elements, you should view the display to ensure it is showing what you intend.

Remote Broadcasting

The player may be used to receive a live video for feeding a live video from a remote location to a studio where it can then be sent to "air" (RF, Cable-TV, etc.). Simply set the player to the live stream URL and it will start delivering the live stream when it becomes available.

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