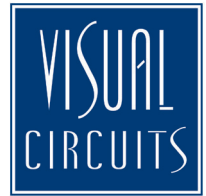# Firefly MC™

Firefly MC™ is the network standard-definition video replay appliance that allows customers to simultaneously schedule different digital media elements on up to four independent channels. Firefly MC is the flagship media player, offering versatility, reliability and multi-channel (MC) functionality. Designed to address programmed and interactive A/V needs, Firefly moves disk-based digital media playback into the mainstream — leading the way with price, features and reliability, with ease of setup, use and support.

Firefly breaks down traditional media boundaries, incorporating high bit rate MPEG-2 playback with a genlocked external video input and switch. Whether your content is file-based, graphics or combinations of video and graphics, simply drop the source into a playlist to create precisely the presentation your application requires.

Firefly MC can be controlled through one of three ways: IR remote; WebView™, a browser-based interface for one-to-one control of Firefly; or optional Media Messenger™, unique network software which allows easy scheduling and updating of Visual Circuits' Firefly™, Mantis™ or POPVideo™ digital media appliances.

Firefly MC has an integrated Smartcard reader that delivers enhanced security and easy field upgrades for options that include satellite multicasting, Dolby Digital™ audio and genlocked external AV input. The Smartcard is also used to effortlessly upgrade the latest two-channel version of Firefly MC to four channels.

No matter what your application — merchandising, entertaining, advertising, training, surveiling — light up your displays with Firefly MC!

> ## FEATURES
- 2 to 4-channel MPEG-2 playback
- 8-bit color graphic overlay with adjustable positioning, transparency and fade effects
- Channel independent component, s-video, composite or RGB (sync on green) video output selection
- Genlocked video input/switch
- S/PDIF Dolby Digital™ output
- Multicast client software
- Smartcard reader for security and upgrades
- Philips ITV™ compatible

> ## CONTROL
- Optional Media Messenger™ software for scheduling, updating and reporting
- Visual Circuits IR remote control with on-screen display
- WebView™ browser-based user interface
- TCP/IP or serial control with Visual Circuits commands
- Content updating via automated FTP, CD/DVD or multicast
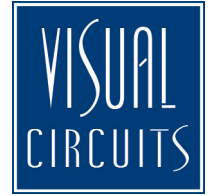- AMX, Leightronix and Crestron commands

Firefly MC—
The flagship media player that allows digital content scheduling on up to four independent channels—simultaneously.

Firefly MC Technical Specifications

VISUAL CIRCUITS

VIDEO DECODING:	MPEG-1 ISO 11172
	MPEG-2 ISO/13818-2
	External A/V input (composite) with genlocked A/V switch (opt.)
	4:2:0 Program Streams (video + audio)
	NTSC/PAL transcoding
	Constant or variable bit rate decoding
	12 Mbps data rate per channel or max of 40 Mbps aggregate channel bit rate
	4:3 or true 16:9 aspect ratio (content dependent)
	Different MPEG formats may be mixed
OUTPUT:	Component, S-video, Composite & RGB (sync on green) via female BNC connectors
GRAPHICS:	8-bit graphic overlay with adjustable transparency and fade transitions
	(BMP, JPG, GIF, TIF, TGA, PNG)
	Adjustable screen position
	16-bit transparency blending; 256 levels
NETWORK:	10/100 Mbps Ethernet via RJ-45
	IP Addressing: Static or DHCP
	KenCast™ multicast client (optional)
SERIAL AND ETHERNET CONTROL:	AMX, Leightronix, Crestron and Visual Circuits and LaserDisc protocol libraries
INTERNAL STORAGE:	Standard 40 GB IDE — 14 hours of video*
	Optional 120 GB IDE — 44 hours of video*
	* Based on DVD quality (6 Mbps) encoding rate. Does not include space occupied by graphic overlays.
AUDIO DECODING:	MPEG Layer II Stereo
	Dolby Digital™ 5.1 mixed to 2 analog channels — Stereo PCM (optional)
OUTPUT:	Analog: Balanced stereo via Phoenix terminals
	Digital: Stereo or Dolby Digital via BNC connectors
SOFTWARE:	WebView — HTML-based setup, monitor and control interface. Requires Internet Explorer 5.5 or higher.
	Media Messenger Single-player version (optional) — for managing and distributing media via FTP or Media Update discs (CD/DVD) to a single Firefly player.
	Media Messenger Multi-player version (optional) — for managing and distributing media via FTP or Media Update discs (CD/DVD) to individual and/or groups of Firefly players in your Firefly network.
FRONT PANEL INTERFACE:	6 button interface
	32 character LCD
PHYSICAL & ENVIRONMENT:	4.45 cm (1.75 inches) high (1RU) x 43 cm (17 inches) wide x 41 cm (16 inches) deep
WEIGHT:	Approximately 5.5 Kg (12 lbs)
POWER:	90-240 VAC, 50/60Hz, approximately 60 Watts
TEMPERATURE RANGE:	0° - 40° Celsius Continuous Operation
	(0°- 45° C short term)
CERTIFICATION/REGULATION:	FCC — Part 15 Class A
	CE