System 5-MC & MC
Integrated Digital Audio Workstation Controllers
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System 5-MC and MC Guided Tour  
Version 07  
All system specifications are subject to change without notice  
euphonix.com
Open Architecture

Finally a real, open architecture recording, mixing, and editing control surface that supports simultaneous control of multiple audio and video workstations and multiple audio and video software applications. Choose the workstation hardware, the applications, the I/O, and the server to exactly fit the studio’s needs and budget. Euphonix VARs can help package complete systems from a variety of manufacturers.

Control Multiple Workstations

Switch between multiple networked workstations - Mac OSX or PC - at the push of a button for simultaneous control.

Control Multiple Applications

The surface switches to match the current application - the one that is up front - so you can speed up operation with any application including video edit applications.

A Real Mixing Console

The System 5-MC is not just an ordinary controller, it's a professional mixing surface based on the successful Euphonix System 5 design, which is used by top facilities around the world. Each strip has 8 touch sensitive knobs, high quality moving faders, dual hi-res LED meters next to the fader and a TFT color screen at the top for metering, display of EQ and pans as well as showing track names and parameter values. When you need to mix, let the System 5-MC free you from the tweek mode so you can sit back and mix as if you were on a traditional console.

More than a Keyboard & Mouse

Sit down at the System 5-MC and you can work immediately using the full sized keyboard and trackball but there is more, much, much, more.... The MC Media Application Controller that sits in the center includes 56 LCD SmartSwitches, 4 faders (or 2 joysticks), jog wheel, monitoring section, and touch screen for the ultimate in software application control. The MC is designed for total fast action control – taking the power of your applications to the next level.

Audio Post - Music - Video - Mastering

The System 5-MC does not restrict operation just to one DAW or application, the control surface can be switched to manage any software application for recording, editing, mixing both audio and video.

Affordable

System 5-MC is priced for professional project music studios and audio post facilities at a price that is affordable and in-line with other large format controllers.
Based on the successful System 5 range of digital audio mixing systems, the System 5-MC is a DAW controller with 8 knobs per channel, TFT screens, high quality moving faders and an MC Media Application Controller for master console functions and editorial control of the workstation. The system can control both PC and Mac OSX applications and connects via high-speed EuCon control protocol to DAWs that support the protocol including Apple's Logic Pro, Steinberg's Nuendo and Merging's Pyramix.

Non EuCon applications such as Pro Tools, and Digital Performer, as well as video editing applications such as Final Cut Pro are supported by HUI or Mackie Control protocol, and keyboard command macros from the MC's 56 SmartSwitches.

Modern audio production now involves the use of multiple applications, including multiple DAWs, and many users also want integral control of video applications as well. The design of the System 5-MC and the MC take these considerations into account by offering the sophisticated high-end mixing control surface of the System 5 channel modules with the powerful application control features of the MC. As the user switches between applications, and workstations, the control surface instantly switches to match the selected application, providing unrivalled control capabilities that blow away the competition, speed up the workflow and free the creative juices. Break Free from the constraints of enclosed proprietary systems and explore the wealth of possibilities offered by an open architecture system supported by a growing number of leading manufacturers.

The System 5-MC is targeted at workstation centric music, video and audio post-production clients who want a cost-effective, professional workstation surface with the tactile control and visual feedback of a high-end mixing console. For film dubbing applications the System 5-MC can be offered in a multi-operator configuration. The MC can also be supplied as a stand-alone controller for professional audio and video applications. The MC is so flexible that it offers major speed and efficiency advantages when used with any PC or Mac application in a professional environment.
Multiple Workstation Control

The System 5-MC is a DAW controller with a difference, a big difference. It can control multiple workstations simultaneously at the push of a button. Control is via high-speed Ethernet using a combination of the Euphonix EuCon control protocol, HUI, Mackie Control and SmartSwitch control depending on the application.

Switch workstations and the console surface switches to match, picking up where you left off.

Input/Output

Use whatever I/O, sample rate and bit-depth your workstation supports. Euphonix offers a line of converters based around AES 10 MADI (up to 56 channels down a single coax). Several manufacturers make MADI PCI cards allowing 56 in and outs from each PCI card using only two cables. Euphonix can also supply the SH612, a 768x768 stand-alone MADI router for more complex applications and for multiple workstation audio switching as shown above.
Hi-res On-screen Metering
CM408T 8 Fader Module
100m Faders & LED Meters
Twin 4 Character Displays

Hi-res TFT Display
VESPA LCD Screen Support
Surround Monitoring

Hi-res TFT Display
VESPA LCD Screen Support
Surround Monitoring

Knobset Select Switches
8 Assignable Processor Knobs

System 5-MC Control Surface
MC - Monitors, 56 SmartSwitches
9 Soft Knobs, Keyboard, Jog, Trackball

Knobset Select Switches
8 Assignable Processor Knobs

System 5-MC & MC Guided Tour
**System 5-MC Main Features**

- System 5-MC channel strips are operationally compatible with standard System 5 consoles including moving fader, 8 touch sensitive knobs and TFT displays.
- The 8 touch sensitive knobs may easily be configured to control EQ, dynamics, pan, aux sends, routing or any plug-ins.
- High-resolution multi-format metering at the top of each channel on the TFT display.
- Long-throw 100mm touch sensitive moving faders.
- High-resolution stereo LCD metering next to each fader.
- Any track may be brought up to any channel strip on the surface and saved as ‘Layouts’ for easy recall – for example, drums, vocals, sound effects.
- Surround sound sources such as a 5.1 track may be controlled from a single strip.
- Full MC center section with twin joysticks or 4 additional faders.
- Modular frame – two models available.
- Studio Monitor Pro ASIO and Core Audio based monitoring software for surround sound monitor matrix, control room speakers, SLS and foldback outputs (all up to 5.1).
- Integral control of Apple’s Logic Pro via the EuCon protocol.
- Integral control of Steinberg’s Nuendo featuring the Nuendo EuCon adaptor via the EuCon protocol.
- Migration path to System 5-MC/Nuendo from Cubase SX3.
- Support for Merging’s Pyramix via OASIS & EuCon protocols.
- Supports HUI and Mackie Control for Pro Tools, Digital Performer, and Final Cut Pro HD.
- Any audio and video hardware and I/O supported by the DAW application may be used.
- Connectivity to the Euphonix range of converters and Euphonix high-end consoles via PCI MADI cards.
- Proven Euphonix hardware and user interface used by hundreds of professionals worldwide.
- Professional personal support.
- Fully modular for easy expansion in the field.

**System 5-MC Channel Strip Features**

The System 5-MC channel strips can control any Logic Pro, Nuendo or Pyramix track via EuCon, or Pro Tools, Digital Performer & Final Cut Pro via HUI & Mackie Control.

- 100mm long-throw touch-sensitive moving faders.
- Dual high-resolution LED meters, for levels and automation, next to each fader.
- 4-character dual designation displays showing track names above fader (12-14 character on the TFT channel screen).
- On, solo, automation mode, input monitoring, attention, record and swap switches.
- 8 touch-sensitive rotary controls per channel with LED display rings and 4-character designation displays. Each knobset has select, on and automation switches and automation status LEDs. Knobs can control any channel processing including plug-ins.
- High-resolution TFT displays at the top of each channel showing metering, processor graphs (for EQ and pan), routing, 12-14 character channel name designations and status.
MC Main Features

At the center of the System 5-MC is the MC Media Application Controller. The MC is also available as a stand-alone controller. The MC is packed with powerful professional features:

- Dual trackballs (which can be switched for mouse operation or shuttle wheel) each with a control ring. One Trackball can also be used for Jog, Shuttle, Trim, Zoom etc. of EuCon or HUI applications. Supports right or left hand operation.
- Standard full-sized QWERTY keyboard with numeric keypad (which can be changed for a user preferable keyboard)
- 56 programmable SmartSwitches each with an integral LCD display to show their function
- 9 Soft Knobs with SmartSwitches for processor and plug-in control
- Dual joystick panners (or 4 faders - shown below)
- 6 Strip Control buttons associated with the faders
- 4 buttons for selecting multiple workstations
- High-res touch screen for setup and control
- Surround monitoring including monitor matrix, speaker controls and solo.
- Extensive connectivity including 1/4” footswitch jack (supported in a later software release), headphone thru jack, touch screen VGA out, standard keyboard and mouse ports, USB port, and Ethernet.
- All MC switches, knobs and joysticks can be programmed to send HUI control and Mackie Control data.
- Manages control of the System 5-MC Channel Strips including assigning tracks and layouts, and metering

The MC handles the connection to multiple host workstation PCs or Mac OSX computers, each running a EuCon Client Application in the background, via Ethernet. In its simplest form the workstation sees the MC as a normal keyboard and trackball.

Most importantly the MC recognizes the active application – the one up front – and configures all its control to match the application whenever the user switches applications.

The MC is available as a stand-alone edit controller.
Multiple Levels of Control

The System 5-MC & MC use 4 powerful levels of control:
1. Keyboard and Trackball
2. Simple programmable keystroke commands via the SmartSwitches
3. HUI and Mackie Control command protocol over Ethernet for control of DAWs and video editors including Pro Tools, Digital Performer, and Final Cut Studio HD.
4. High speed networked control of EuCon aware applications such as the Logic Pro, Nuendo and Pyramix Digital Audio Workstations.

Level 1 - Keyboard and Trackball

Sit at the MC and you can instantly access your favorite applications using the full-sized keyboard and trackball. You can change the supplied keyboard for one of your own choice and fit a mouse if you prefer this to a trackball.

There is a trackball and a Jog/Shuttle wheel which can be interchanged. This design caters for left or right-handed operation. It also allows a right-handed person to access a left hand trackball when they are working on channel strips to the left of the MC.

Level 2 - Soft Keys

The MC uses LCD display SmartSwitches to intelligently display switch functions.

The MC's LCD display SmartSwitches can be programmed to send simple keystroke commands, such as Ctrl-X, and named or designated with an icon so their function is obvious. EuCon DAWs make functions available directly to the MC without having to use keyboard shortcuts. Users can lay out keys in any order and with any function to build a surface that matches their way of working. Key mappings are saved to 'Application Sets', which automatically change as each different application is activated. Euphonix supplies default Application Sets for a number of applications but these can be modified by the user and saved. When a user logs in all their Application Sets become available for user-specific customized working environments. This means that the MC speeds up operation of ANY workstation application including professional video editing and audio workstation applications that have hundreds of keystroke commands.

Keys can also be locked to a particular EuCon application even if it is buried in the background – for example transport controls for a EuCon media player.

The displays can be set to show any character set including Japanese and Chinese.

There are three groups of SmartSwitches – the Soft Keys, which include 24 switches above the keyboard, and the two Edit Controller sections each with 16 switches next to the trackballs. Dedicated bank switches can be found next to the SmartSwitch sections.

6 banks of LCD SmartSwitches function and display change to match the active application

LCD SmartSwitch displays support foreign language character sets

SmartSwitches above the shuttle wheel showing custom icons for favorite functions - the MC includes a library of icons or they can be designed in any bitmap application. Each of the 10 switches above the left and right trackball/wheel can be programmed in different colors - green for play, red for record, orange for normal functions etc.
Level 3 - HUI & Mackie Control

The System 5-MC supports the HUI and Mackie Control protocols. Pro Tools supports HUI, Digital Performer and Final Cut Studio HD support Mackie Control. HUI and Mackie Control commands are sent via Ethernet and appear from a virtual MIDI port in the DAW.

HUI and Mackie Control allow for fader level and touch sense, pan, aux send control, solo, plug-in selection and parameter control, record arm, and automation from the channel strips and from the faders and 9 soft knobs on the MC. Audio levels of tracks can be metered on the fader and TFT screen together with a 4 character track designation. Tracks can be scrolled and bank switched to the System 5-MC channel strips. Any DAW commands that are assigned to keystrokes can easily be programmed into the 56 LCD SmartSwitches, including transport controls, which extends the System 5-MC's HUI & Mackie Control beyond the capability of other controllers. The edit wheel can be used for jog and shuttle as well as for zooming and selection in the editor. The MC will receive MTC and display it on the touch screen.

Level 4 - EuCon

When the MC or System 5-MC, or the standard range of Euphonix System 5 consoles with the EuCon Hybrid Option, are connected to a EuCon enabled application, control jumps into high gear with high-speed bi-directional communication allowing the surface to access almost all of the workstations functions and to display high-res metering and EQ and Pan curves on the channel strip TFT screens. The Jog/Shuttle wheel can also be used for trim head/tail, fade head/tail, position, zoom, slip, and move. EuCon allows the MC to intelligently place tracks on the surface and to control plugins on the channel strips and on the MC’s 8 assignable knobs.

Logic Pro

Logic Pro now includes a EuCon Adaptor to allow for high speed Ethernet connectivity via the EuCon protocol to Euphonix control surfaces.

Steinberg’s Nuendo with Nuendo EuCon Adaptor

The Nuendo EuCon Adaptor allows Nuendo V3.1 or higher to be controlled via high-speed Ethernet from Euphonix control surfaces. The Nuendo EuCon Adaptor will be sold exclusively through the Euphonix VAR network. Cubase SX users can upgrade to Nuendo and purchase the Nuendo EuCon Adaptor.

Merging's Pyramix with OASIS & EuCon Support

Pyramix tightly integrates via EuCon and Merging’s OASIS protocol with the Euphonix control surfaces. Pyramix users need to purchase an OASIS key from Merging to work with EuCon.
The MC includes monitoring controls situated in the top left of the surface. Studio Monitor Pro software resides on the application workstation, or a 2nd dedicated monitoring workstation, and controls the way audio is routed between applications that support ASIO or Core Audio hardware and the I/O hardware itself.

All applications send their audio outputs through the Studio Monitor Pro application, which acts as a monitoring and routing system. The Studio Monitor Pro outputs feed directly into the workstation's audio hardware I/O and are controlled from the MC surface providing the workstation with a professional surround sound monitor matrix and supporting multiple speaker outputs (dependent on the I/O hardware) each with level, cut, dim, and formats up to 5.1.

Studio Monitor Pro Version 1 is shown opposite and can be seen as a virtual representation of a traditional master section of a console. It can also be used to listen to external inputs without starting the workstation application.
The Touch screen

A high-resolution (1024x768) touch screen is situated just above the keyboard for file management and for programming the various functions of the System 5-MC.

Areas of the screen are reserved for permanent display of filenames, transport state, fader labels and the main menu. Each section of the MC includes a ‘setup’ button which brings up a setup screen for that section of the surface.

The touch screen has the following screens:

- Multiple Workstation setup and selection
- File management
- Track selection and management
- Flip for swapping System 5-MC faders and knobs
- Soft Key setup for function assign and keyboard command assign to the SmartSwitches
- System setup and preferences
- Edit Control banks, Soft Key banks, User Sets and Application Sets can all be named, stored, recalled, renamed, and deleted.
- Layouts are available via the touch screen for setting the faders to control different sections of a DAW console or for assigning any combination of tracks to the faders

MC Faders or Joysticks & Workstation Select Switches

Two options are available for the upper right hand area of the MC. The stand-alone version is usually fitted with 4 faders. The MC supplied in a System 5-MC usually includes a pair of joysticks.

The faders are the same high quality professional long-throw faders found on the System 5 console and can be used for control of track levels in EuCon or HUI applications. The same applies to the Joysticks which can also be used for panning or other control functions including shuttle, zoom level and view position. The metering LEDS to the left of the faders can show audio levels from EuCon, HUI or Mackie Control aware applications. On, Solo and Record keys operate on the selected tracks.

Six Strip Control buttons associated with the faders facilitate selecting tracks to faders for both the MC and channel strip faders. Nudge and Bank move the faders up or down the tracks being controlled.

To the top right are a set of keys that can be used to select Ethernet control from the System 5-MC to one of four workstations.
The MC Soft Rotary Control Section Plug-Ins

9 touch-sensitive rotary knobs with LED display rings and SmartSwitches are available for control of EQ, Dynamics and any other plug-in that requires multiple knobs.

These can be programmed to send out HUI and Mackie Control data but are more effective when used with EuCon aware applications as they can be set to intelligently pick up functions such as EQ, dynamics, aux sends, or plug-ins. Nuendo allows customization of plug-in control positions and names. Logic Pro users may intelligently control Pro Tools TDM plug-ins via the Logic Pro interface.

Left and right keys are available to page within a single processor.

The SmartSwitch LCD displays can show knob function. Switches are available for automation and other knob related functions.

The 9th knob situated to the left is an assignable control that automatically picks up the current active control in the application. For example, if you move the pointer over a pan control in a EuCon aware software application, that knob will act as a pan control. The knob can be locked on a particular function.

Application Sets and SmartSwitches

One of the most exciting aspects of the MC surface is its ability to switch automatically between applications — all controls on the surface switch to match whichever application is made active on the workstation.

And the MC automatically detects not only the application but also if it is a EuCon application, such as Nuendo, or a HUI application such as Pro Tools, and sets the control mode accordingly. The setup of the MC surface is saved to an Application Set.

The MC ships with a number of built-in default Application Sets for popular applications. Users can copy default Application Sets and modify them to their way of working. A User Set includes all Applications Sets for a particular user although multiple versions of User Sets may be saved.

Remember that the user can build Application Sets for any application, from Word, Internet Explorer, Entourage through to the most sophisticated applications such as Pro Tools, Sound Forge, GigaSampler, Final Cut Pro HD, After Effects, and so on.
Controlling DAW Tracks from the Channel Strips

DAW tracks may be brought up onto the System 5-MC for fader and knob control of parameters.

Strips can be bank switched or nudged to control different tracks from dedicated switches on the MC. This can also be done from the channel strips by scrolling through a list of available tracks using the fader.

The way tracks are laid out on the surface can be saved as ‘Layouts’. A Layout does not save parameters just the way tracks are brought up on the surface. Layouts can be easily recalled to bring up different sets of tracks to the surface for easy access to hundreds of tracks, grouped logically together for simple and straightforward operation. For example, one layout could be all the percussion tracks, another all the vocal tracks, another could be a combination of drum, keyboard and guitar masters together with the main vocal tracks.

Tracks can be locked to particular faders if necessary. A single strip can also be set to control the master for a set of 6 surround tracks in a 5.1 source, for example.

The 8 knobs can be selected to control the tracks pan, eq, dynamics, or the plug-ins, selecting between these from the channel or from the touch screen. EQ and Pan graphs are displayed on the TFT screen with EuCon applications and update in real time during operation.

Plug-ins may be added to a track from the channel strip controls, and once selected, controlled from the 8 knobs with intelligent parameter designations next to the control and also on the TFT screen. Nuendo allows customization of plug-in control positions and names for consistency between different EQs, for example.

Anyone familiar with the System 5 will instantly be able to recognize how to operate the System 5-MC channel strips as they have the same control set.

Knob functions may be flipped with the faders so that aux sends, for example, can be controlled from the faders.

The System 5-MC’s channel knobs are shown above – functions, such as EQ, are each color coded for easy recognition.
Automation

EuCon, HUI and Mackie Control aware DAWs allow automation of all faders and knobs and this can be written from the System 5-MC surface as both the faders and knobs are touch sensitive.

Automation can be set to all the standard DAW modes. The fader and knob move data is sent directly from the surface to the DAW automation so it can be stored and edited from within the DAW project file. When the DAW plays back moves the faders will move to follow the automation and the display LED rings around the knobs will show current position of the control.

The operator can choose to edit automation using the knobs and faders with touch sensitive drop-in capability or by using the DAWs on-screen editing functions. A Flip function allows any parameter to be swapped onto the fader so an aux send, for example, could be controlled from the faders during the setup of a foldback output and automated using the faders if necessary.

Transport & Machine Control

The MC controller can access the extensive machine control facilities of the DAW. SMPTE or MIDI timecode and locate registers can be permanently displayed on the MC’s touch screen.

An optional external synchronizer, compatible with the DAW may be used for multiple machine control. The System 5-MC controls this through the DAW via EuCon, or HUI & Mackie Control if the DAW supports these protocols.

The MC’s SmartSwitches can be set to act as machine control and transport switches for any application that allows transport control from keyboard commands, plus custom locate switches can easily be programmed and added to the surface.

The 10 SmartSwitches above the trackball are usually selected to act as transport controls with multi-color displays for showing orange, or green when in play and red when recording.

The great thing about the MC is that the user can program these switches to manage any transport or sync function in any order, to exactly match the transport layout that they feel is most appropriate for their way of working. Transport controls can be laid out differently for each application.
Multiple Networked System 5-MC and MC Example

High-speed, bi-directional EuCon, HUI, Mackie Control, Keyboard, Trackball and SmartSwitches over Ethernet

Dual-Operator System 5-MC Example

High-speed, bi-directional EuCon, HUI, Mackie Control and SmartSwitches over Ethernet
**System 5-MC Package**

**The base System 5-MC package includes:**
- 8 Channel Strips – one CM408T module
- MC fitted with twin joysticks and a VESA compatible adjustable LCD screen arm
- System 5-MC 5-slot (5ft) frame
- Studio Monitor Pro monitor matrix application
- GP I/O Interface for connection to DVI screen switch

**Euphonix Options include:**
- Nuendo EuCon Adaptor for use with Nuendo V3.1 or higher
- Additional 8 fader CM408T modules
- Larger System 5-MC frame (9-slot frame shown opposite)
- System 5 frame as supplied with standard System 5 console systems
- 4 Faders instead of the joysticks in the MC
- Mouse or jog wheel in place of one or both trackballs
- The Euphonix range of analog and digital converters connected to the workstation via PCI MADI cards
- Euphonix SH512 StudioHub MADI Router with router application
- FiberTran fiber extender for MADI – up to 1km

**DAW Component Suggestions**
- Dual or Quad AMD Opteron high-speed workstation running Steinberg’s Nuendo V3.1 or later (or any other fully EuCon enabled DAW) with the Nuendo EuCon Adaptor software
- Merging’s Pyramix Workstation version 5 or higher with EuCon support via Merging’s OASIS protocol – Pyramix OASIS key must be purchased separately from Merging supplier
- Mac Dual or Quad G5 running Logic Pro, Pro Tools, Digital Performer or other Mac DAW

**Other 3rd Party Options:**
- Gefen DVI Switches with external GP remote switch inputs.
- System can be used with any ASIO or Core Audio compliant I/O, any plug-ins or virtual instruments supported by the DAW. In fact the options for audio and video hardware are limited only by the DAW’s ability to support them.

**Stand-Alone MC Package**

The MC package is made up of the MC controller, external power supply, and includes keyboard, PC and Mac OSX driver software. Display, DAW and DAW software are not included.

If the MC is to be connected to Nuendo it can be supplied with the Nuendo EuCon Adaptor which is compatible with Nuendo version 3.1 or higher. To connect to Pyramix, use Pyramix version 5 or higher and purchase the Pyramix OASIS key.

The MC can connect to any high-speed workstation running with Windows XP. A Dual or Quad AMD Opteron processor is highly recommended.

The MC can also be used with MAC OSX - a dual or quad processor G5 is recommended. Some EuCon aware Macintosh applications are currently under development. The MC includes a Mac OSX EuCon Client Application and a Mac OSX version of Studio Monitor Pro.

**Check out System 5-MC and MC**

The MC, System 5-MC and the Nuendo EuCon Adaptor are sold through a group of carefully selected Value Added Resellers each with demo systems, fully backed by the Euphonix sales and support teams - a full list of sales contacts for the MC and System 5-MC can be found on the Euphonix website.

The MC is sold exclusively by GC Pro in the USA. Euphonix in the USA can sell MCs to existing digital clients and as part of large mixing packages.

Pyramix is sold through the normal Merging sales channels. Integration between EuCon DAWs and the current range of System 5 consoles requires the EuCon Hybrid option.

The Euphonix demo vehicle may also be available for on-site System 5-MC and MC demos - check the Euphonix website at: www.euphonix.com/breakfreetour
System 5-MC Hardware, Specifications and Features

**Power Consumption:**
CM408T Channel Strip Module
- Integral 300 WATT PSU
- Input: 100 – 240 VAC, 50/60 Hz
- DC Outputs: +5V @ 40 Amps, +12 V @ 8 Amps
- AC Input Connector: Chassis mounted IEC with
- On/Off Switch
- Typical Power Consumption 150 Watts

**MC**
- External Table Top 150 Watt PSU with On/Off Switch
- DC Outputs: +5V @ 15 Amps, +12 V @ 8 Amps
- Input: 100 – 240 VAC 50/60 Hz
- Typical Power Consumption 80 Watts
- AC Input Connector: IEC with On/Off Switch
- DC Output Connector: 19 Pin Locking Circular

**MC Hardware Features:**
- Touch Screen VGA Output (1024x768)
- Keyboard and Mouse Serial Inputs
- Keyboard connectors are in tray both USB and PS-2
- USB 1.1
- 100 MB Ethernet (IEEE 802.3) Connector: EtherCon RJ45
- 1/4” Stereo headphone in (back) pass through to out (front)
- 1/4” footswitch programmable from touch screen
- VGA output of touch screen
- Integral phantom powered electret talkback microphone
- 65 programmable SmartSwitches
- 9 Rotary Controls with Display Rings for Plug-In control
- Backlight brightness controls
- 3 eight segment and 1 four segment displays in mon section

**MC Data Storage:**
- Internal Hard drive
- USB port on the MC for external USB drives
- Files can be stored on the host workstation via the network

**MC Overall Size:**
37.5” (952.5mm) wide, 20.7” (526mm) deep, 3.6” (91.5mm) high - 36” (914.5mm) wide without end caps

**MC Weight**
40 lbs (18.2 kg)

**Environmental**
Ambient Temperature Operating: +5°C to +35°C
Non-operating temperature: –40°C to +70°C
Operating Altitude: –100 to 10,000 ft. (~30 to 3,048 m)
Relative Humidity: 20% to 85%, non-condensing

**Recommended Height:**
MC should be positioned so the user’s forearms are horizontal when fingers rest on the keyboard.

Specifications and features are preliminary and may change without notice.
Channel Strip Screen

The CM408T channel strip module includes 8 channel strips with a high-res color TFT screen at the top. The screen is able to show mono, stereo, LCRS or even 5.1 high resolution metering for each strip together with graphs for EQ and Pan. The track name, number, color, type, source and destination is shown together with parameter names and values for the 8 knobs.

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