

# MX – THE MODULAR MIXING CONSOLE





TBS television studio 1, Seoul (Korea)



R.SA on-air studio, Leipzig (Germany)

# EXPLORING THE FEATURES

All control modules are connected via standard CAT 5/6 cables which provide audio, power and control data. This gives you the freedom to place modules in the furniture as you like, without worrying about cable lengths. That way you can build the mixer according to how you work and not the other way round. Add the advanced interface capabilities of the multitouch screens and you get a truly flexible audio mixer.

## MODULARITY REDEFINED

The MX takes audio mixing to a totally new level of flexibility. Many different control modules are available – just pick what you need for your application. They all fit together seamlessly and give you the control surface you want. No matter if you need a mixer for a small editing suite, a live OB desk, a DJ van or even a large-scale main control room console.

## FLEXIBILITY FOR YOUR APPLICATION

The MX-system is not just hardware – the real power is the configuration. With our toolbox configuration software, you can customize the behavior of the system to your application. If things change later on, it is no problem to adapt your installation. This is especially useful if a studio needs to support new or changing workflows in the future.



Eldorado broadcasting studio, RTL City, Luxembourg

# DSP POWER AS REQUIRED

## MADE FOR A DISTRIBUTED SYSTEM

The XC3 IP Core provides 12 APC ports. These special RJ45 ports connect control modules and I/O boxes to the core. Connection is made with standard CAT cables which carry audio, power and control signals in the same cable – hence the name APC.

Your setup benefits from standard CAT cabling infrastructure and allows you to place I/O boxes and control modules right where they are needed.

If you need more than 12 APC ports, you can extend the XC3 IP Core with up to eight XC3 Concentrators. Each of these modules provides 12 additional APC ports and is connected to the XC3 Core with a fibre-optic cable. Of course, all audio and control data in the system is available at all APC ports.



## THE DSP CORE, HEART OF THE SYSTEM

The signal processing core of the MX contained in a compact, low-power 1-U module. DSP cores from the XC3 or XD3 IP Core product lines can be used. Rock-solid hardware does all the audio and logic processing.

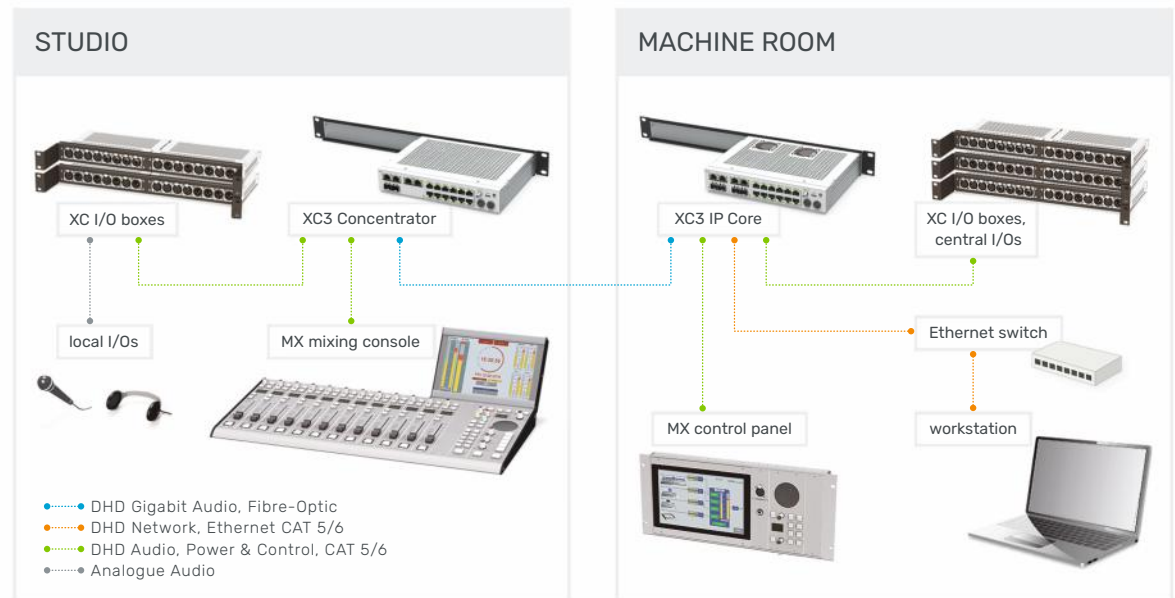
The core modules provide enough processing power for even the most demanding applications. They can handle an audio routing matrix of 10240 x 12288 signals and up to 96 fully processed stereo faders at the same time.

Our core systems work without hard disks or batteries, and there is no PC inside. All I/O modules, concentrators and control surfaces are fanless. This allows silent studio operation and maximises reliability.

Audio and control interfaces are available as halfwidth 1-U high XLR-I/O modules. Choose the matching devices for your application and connect them to each other using CAT 5/6 cables.

Modules are available for interfacing, analogue and digital audio, including Dante, AES67, RAVENNA and MADI. All control modules and touch displays use Ethernet to communicate with the core module.

Systems from third parties can use Ember+ or DHD External Control Protocol via Ethernet or GPIO to interface with MX mixing consoles.



# REAL MODULARITY



**PUSHBUTTON  
MODULE**  
52-4516A



**PUSHBUTTON  
MODULE**  
52-4505A



**PUSHBUTTON  
MODULE**  
52-4411A



**CONTROL  
MODULE**  
52-4402B



**CONTROL  
MODULE**  
52-4412D



**CONTROL  
MODULE**  
52-4308D



**FADER MODULE /  
FADER MODULE  
(MOTOR)**  
52-4230D + 52-4231D



**FADER MODULE /  
FADER MODULE  
(MOTOR)**  
52-4260D + 52-4261D



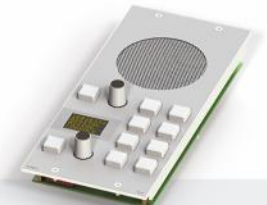
**MIC/HEADPHONE  
PLATE**  
52-4592B



**POTENTIOMETER  
MODULE**  
52-4305B



**LOUDSPEAKER  
MODULE**  
52-4424D



**LOUDSPEAKER  
MODULE**  
52-4527D



**TFT CONTROL  
MODULE**  
52-4414A



**TFT ENCODER  
MODULE**  
52-4304A



**TFT ENCODER  
MODULE**  
52-4306A



**TFT DISPLAY, MULTITOUCH,  
IPS, 10.1 INCH FOR HOUSING**  
52-4510



**TFT DISPLAY, MULTI-  
TOUCH, IPS, 10.1 INCH**  
52-4012



**TFT DISPLAY, MULTI-  
TOUCH, IPS, 7 INCH**  
52-4018