Series 52
Mixing Console

52/RX

DHD.audio

Digital Broadcast Technology

Made in Germany

Compact Modules – Full Features

Compact Modules for all Applications

The 52/RX is a flexible system that performs well in On-Air studios, production suites, video postproduction and in OB vans. You can use it as a mixer system or as a powerful audio router.

If the 52/RX is used as a **Mixing Console**, you can build desks with up to 64 fader channels. 52/RX modules are based on the successful design of the DHD RM4200D mixers. However, the 52/RX sports many key features of the Series 52:

- All modules are connected with standard Ethernet cables, allowing distances of up to 100 m between the modules and the DSP core.

- You can define up to four independent mixers within one single DSP core.

- TFT touch displays are fully supported. You can also use 52/MX control modules with your 52/RX to benefit from an even greater scope of options.

The 52/RX control modules have the same physical dimensions as the RM4200D control modules. You can therefore replace older modules without changing the furniture.

52-2010 RX Central Module

52-2020 RX Fader Module, flat buttons
         (motorised faders available)

52-2029 RX Fader Module, extended
         (motorised faders available)

52-4010 TFT Display, multitouch, 10.1"

# Build Your Studio – Your Way

It's all in the Software…

Technically speaking, the 52/RX is a flexible combination of audio processing modules (in the DSP Core) and a number of control modules. This design allows you to customise a system for your particular application.

Just use the **Toolbox8** software, which runs on a standard PC, to configure the 52/RX.

With the Toolbox8 you can:

- define the structure and main functions of the system
- assign functions to pushbuttons, rotary encoders and displays
- create complex logic and control functions
- design and integrate TFT touch displays.

Once this configuration is completed, you can upload it to the system and start using it right away. If you need to change functions later on, you can do this any time.
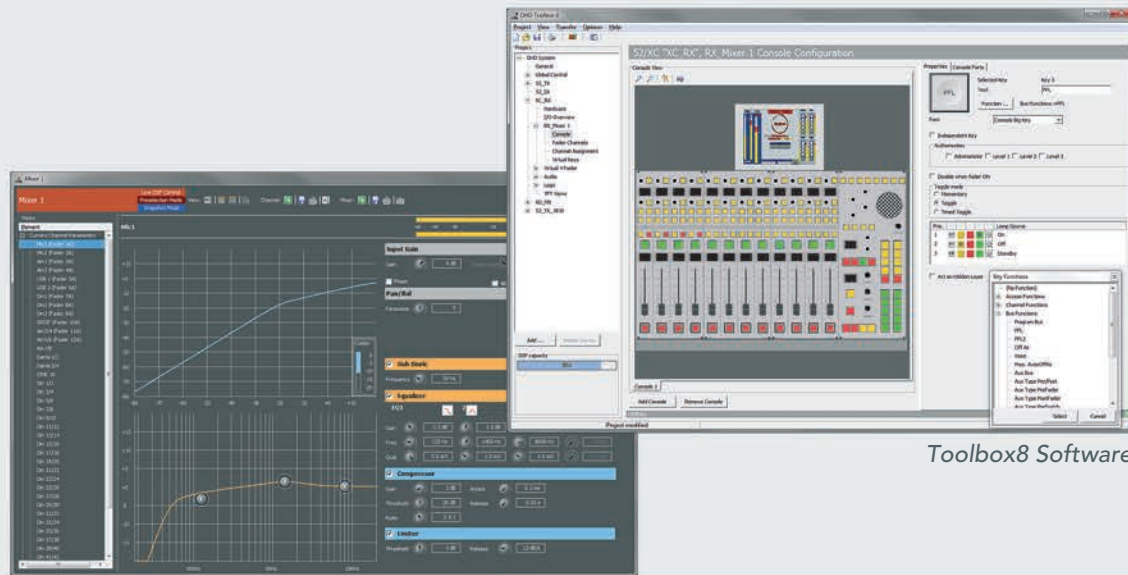
DSP Control Software

Toolbox8 Software
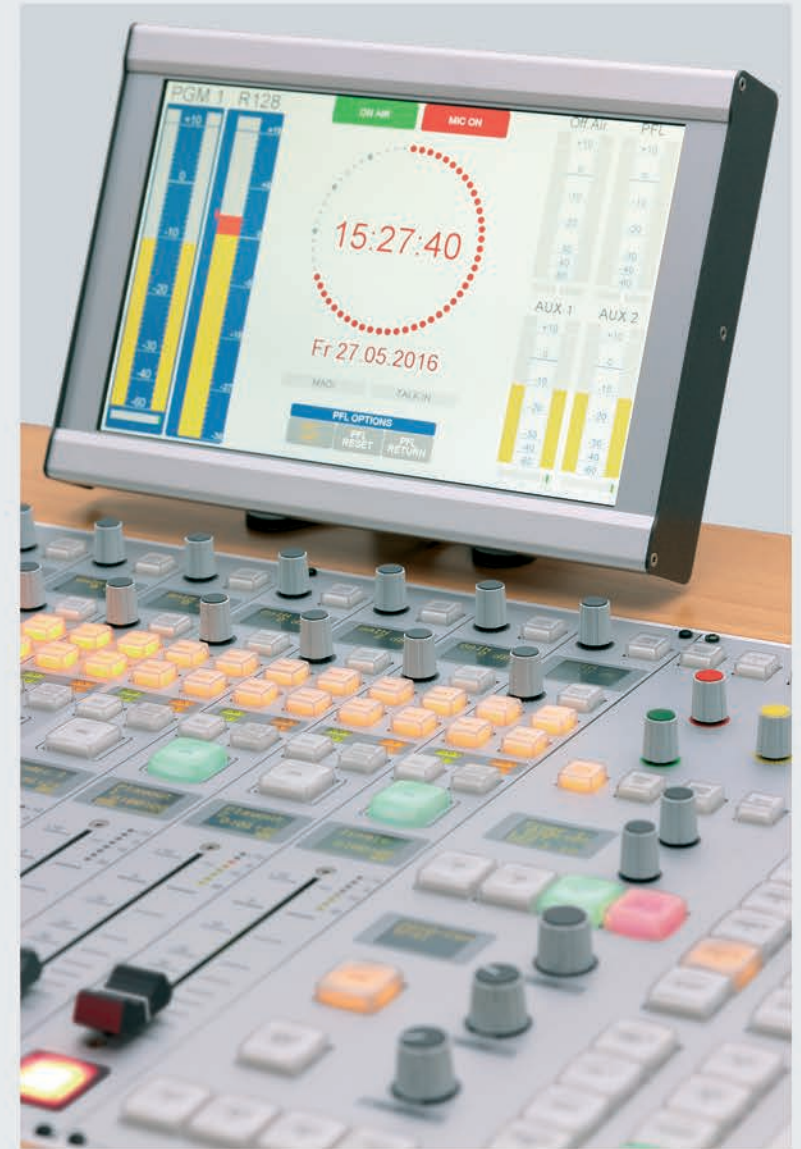
Choose What You Need

TFT Touch Control

Hardware buttons are fine, but sometimes your system needs "that special touch". Here the Series 52 multitouch display will boost your possibilities. Its 10.1" TFT screen puts you in control, no matter where you place it: next to your 52/RX mixer, stand-alone on the desktop as a 52/TX talkback panel, flush-mounted in the furniture or even set up in a rack unit.

Using the Toolbox8 software, you can design touch-screen layouts exactly for your application – including level meters, clocks, DSP parameters and buttons. This flexibility allows layouts for setting channel parameters, routing, talkback and system monitoring.

Modules from the Family

The modules of the 52/RX system are based on the same hardware as the 52/MX modules. Therefore you can use any 52/MX module and run it seamlessly within your 52/RX setup. Select the modules you need and configure their functions with the software.

This "family connection" makes it easy to build talkback modules or control panels for monitoring, router control or any other application you need.

The DSP Core, Heart of the System

The signal-processing core of the 52/RX is contained in a compact, low-power 1 U module. DSP cores from the 52/XC2 or 52/XD2 product lines can be used. This specialised rock-solid hardware does all the audio and logic processing in the system.

The new Core modules provide enough processing power for instance to handle an audio matrix of up to 8700x7400 signals and up to 64 fully processed faders at the same time.

52/XC2 Core

Our Core systems work without hard discs or batteries, and there is no PC inside. All I/O modules, Concentrators and control surfaces are fanless. This allows silent studio operation and reduces maintenance to a minimum.

Connectors for audio and control signals come as separate XLR-I/O modules with half-rack width and 1U height. You can choose the matching devices for your application and connect them to each other using CAT 5/6 cables.

There are modules available for interfacing analogue and digital audio, Dante™ or AES67 Audio over IP, MADI and GPIO. All control modules and TFT touch displays use Ethernet to communicate with the Core module.

Third-party systems can use either Ember+ via Ethernet, a serial connection or GPIO to interface with Series 52 mixing consoles.

52/XD2 Core

Mixing   •   Routing   •   Controlling   •   Networking   •   Switching