

# RX2 – THE MIXING CONSOLE





# VERSATILE MODULES FULL FEATURES

## Maximum Flexibility for All Broadcast Applications

Developed to meet the highest demands in radio and TV broadcast environments, the RX2 is perfect for modern workflows in on-air studios, main control rooms and OB vans.

A large 10.1-inch touch display for each console section provides all options needed to configure a mixer layout with the exact buttons, meters and settings you need. Thanks to Unicode support, you

can even use the characters of your local language, which makes daily on-air production quick and easy.

Assignable hardware buttons are provided in the central section. With adaptive labels in the 7-inch vertical touch display, they allow fast and tactile access to all important mixer functions such as monitoring and talkback.

## CONTROL MODULES WITH I/Os

The RX2's modularity gives you the freedom to build a mixing desk that will fit into even the most compact control suite. This versatile console series ranges from compact versions with 6 or 12 faders for smaller production units to large control-room consoles with up to 96 faders.

Two different RX2 modules are available: a central module (52-5810) and a fader module (52-5820). Both types are equipped with a super-bright 10.1-inch touch display for channel settings and central control. The displays are an integrated part of the system and do not need a PC for operation.

The central module provides the most important audio I/Os. A microphone input and a headphones output are included, and you can also connect your loudspeakers directly to this unit, thus reducing necessary rack space and cabling work.

All modules are available for table-top or flush-mounted installation.

Each fader module comes with a chaining kit for optional physical connection of modules.

The RX2 modules are designed for easy maintenance and low power consumption (25 W maximum per module).

## FADERMODULE

52-5820

### TOUCH CONTROLS FOR EACH CHANNEL

- channel name
- PGM and AUX bus
- routing buttons
- channel input meter
- gain settings

### FLEXIBLE FADER ENCODERS

- function according to TFT content
- control of gain settings, AUX sends, parameters of EQ and dynamics

### PROFESSIONAL HIGH-GRADE 100-MM MOTOR FADERS, WITH DUST PROTECTION

### FLEXIBLE PUSHBUTTONS IN EACH CHANNEL

- silent, multicolour (RGB)
- individual button functions, e.g. on, off, PFL, access, layer or talk
- buttons below fader have a label area for clear function naming



## CENTRALMODULE

52-5810

### TOUCH CONTROLS FOR CENTRAL FUNCTIONS

- main control
- channel settings
- metering
- snapshots

### FLEXIBLE CENTRAL ENCODERS

- function according to TFT content
- control of EQs or dynamics
- volume control of guest headphones
- monitor selectors

### TALKBACK MICROPHONE WITH BUILT-IN PREAMP

### AMBIENT-LIGHT SENSOR FOR AUTOMATIC CONSOLE BRIGHTNESS CONTROL

### PRE-LISTENING & TALKBACK SPEAKER WITH BUILT-IN AMP

### PROFESSIONAL HIGH-GRADE VOLUME POTENTIOMETERS

### SILENT, MULTICOLOUR (RGB) PUSH BUTTONS

- flexible functions with labels on vertical multi-touch display
- monitoring section, expanded by touchdisplay selector

### MAIN CONTROL ENCODER

- selected TFT elements can be controlled with this illuminated physical knob

# CHOOSE WHAT YOU NEED

## ADDITIONAL CONTROL PANELS – FULLY INTEGRATED

The TX2 Touch Mixer is the perfect companion for the RX2 mixing desk. Its 10.1-inch TFT screen puts you in control no matter where you place it: next to your RX2 mixer on a news presenter's desk, inside the studio as monitoring unit or stand-alone on the desktop as a producer panel.

Using the Toolbox software, you can design touch-screen layouts exactly for your application, including level meters, clocks, DSP parameters and buttons. This flexibility allows you to create customised layouts with a strong focus on the

required functionality – be it mixing, monitoring or control of a playout system.

Featuring a built-in talkback microphone and loudspeaker, the TX2 is also a perfect talkback unit or monitoring controller.

With the integrated high-quality microphone input, headphone output and a stereo line output for active speakers, the most important connectors are available directly in the device for telephone interviews or dubbing.



**TX2 TOUCH MIXER**  
52-1256

## THE DSP CORE, HEART OF THE SYSTEM

The signal processing core of the RX2 is contained in a compact low-power 1-U module. DSP cores from the XC3 or XD3 product lines can be used. This specialised and rocksolid hardware does all the audio and logic processing.

The core modules provide enough processing power to handle, for instance, an audio matrix of up to 10240 x 12288 with 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 reduces maintenance to a minimum.

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

The cores are natively ready for audio over IP – you can choose between Dante or AES67/RAVENNA/ST2110. There are also modules available for interfacing analogue and digital audio, MADI and GPIO. All control modules and multi-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.



**XC3 IP CORE**  
52-7520



**XD3 IP CORE + Router**  
52-7540 + 52-7550