Studer OnAir 2000M2 Modulo

On-Air mixer flexibility at its best

Studer’s well received OnAir 1000 and OnAir 2000M2 digital radio mixer family is completed by the Studer OnAir 2000M2 Modulo. It shares the technical backbone of the OnAir 2000 and therefore its reliability and ease of use, as well as the simplicity with which its digital technology can be integrated into a given environment.

The Modulo adds a new degree in flexibility due to its modular surface design which extends the modularity of the electronics and the audio interfaces. The console’s fully modular design enables the studio designer to arrange the self-contained desk components to the user’s convenience and to distance the I/O’s and processor from the desk if desired.

The technical specifications, configurations and options are the same as with the standard Studer OnAir 2000M2. Please consult the OnAir 2000M2 brochure for detailed information.
Studer’s OnAir family delivers proven quality and reliability in over 1000 broadcast installations world-wide. The OnAir 2000M2 Modulo combines this technology with the fully modular design of the desk and the electronics.

The OnAir 2000M2 Modulo consists of one to four Fader Modules, a Central Module a configurable Metering Module and a 19” electronics frame. All modules are self-contained and can be integrated into custom built furniture for best use of space and for optimized ergonomics. The processor frame with the power supplies and the audio interfaces are connected via shielded cables and can be installed in a distance of up to 20 meters from the control surface.

Fader Module
The Fader Module includes six channel faders, with On, Off and PFL buttons, an overload indication per channel and the channel touch screen for instant overview on all relevant channel parameter settings. The modules can be placed separately according to good ergonomic practice or joined together in line according to the customer needs and available space. The console can be equipped with one up to four Fader Modules (6 to 24 channel faders).

Central Module
The nicely designed Central Module consists of the central touch screen with four rotary encoders beneath, the monitoring and talk back section and the signalisation. The Central Module can be placed on the desk as standalone unit or included in a 19” rack, e.g. in an OB vehicle (190 mm height). If desired, the Meters can be included with the Central Module to provide all common functions in a compact housing: the central touch screen on the left, the meters in the middle and the monitoring and the talkback section on the right.

Meter Module
The Meter Module can be equipped to customer specifications with various meters from RTW, NTP, DKAudio and Studer, including audio vector oscilloscopes. The Meter Module for 190 mm units is available in four sizes providing 4, 8, 12 or 16 slots and can be freely placed in the working environment. External stand-alone audio vector oscilloscopes can also be used. The Meters can be included with the Central Module to provide all common functions in a compact housing: the central touch screen on the left, the meters in the middle and the monitoring and the talkback section on the right.

19” Processor Frame
The complete electronics are housed in a 19” Frame with 380 mm depth. The 19” Main Frame (8U, 354.8 mm) includes the DSP and the control CPU, the output modules, the power supply and the monitoring module. Up to two 19” I/O Frames (4U, 177 mm each) can be equipped each with either 6 or 12 input modules giving the total of 24 input modules and a maximum of 64 input channels.
Input Module Extension Box

Similar to the standard OnAir 2000M2, the Modulo can optionally be completed with the Input Module Extension Box. The Extension Box becomes useful namely if the rack will be placed directly below the desk, space is restricted and more input modules than faders need to be equipped. The Extension Box allows for a higher number of inputs than the number of faders, e.g. a six fader console may be equipped with 6, 12, 18 or max 24 input modules with a maximum of 64 input signals. In this case the additionally required input modules can be placed aside the rack in the Input Module Extension Box instead of in an I/O frame, thus reducing the total rack height.

Power supply

The power supply of the Studer OnAir 2000M2 Modulo is located in the 19” Main Frame. Optionally fully redundant power supplies are available and are externally housed in two 19”/2U frames. Primary and secondary converters, mains inlets, power distribution and secondary voltage connections to the rack are fully redundant.

Application examples

Traditional layout with all faders in line for a maximum number of faders in a given environment. The Central Module is mounted on a separate support.

Compact mixer e.g. for sub mixing. The Central Module can optionally be rack mounted for installations in places with limited space.

Central Module and Meter Module in separate housings

Central Module with integrated meters

Central Module with integrated audio vector oscilloscope

Set-up with detached Fader Module
The connecting cables between the fader modules and the central module to the 19” Frames are available in standard lengths and have to be ordered separately. The connecting cables for the meters, PFL loudspeaker and talkback microphone are made according to customer specifications.