

At last, a versatile, low cost mixing desk with all the features you need and none of the features you don't!

We spent ages looking for a mixer that offered a range of key features, was easy to understand, was easy to use and represented great value for money.

We couldn't find one so we designed our own!



The SRMv2 Broadcast Mixer

Broadcast Radio are proud to introduce The SRM_{v2}, a feature rich, user friendly, professional broadcast mixer specifically designed to provide the features that schools, colleges and community radio need without all the complicated jargon or pointless functionality.

Our aim was to design a mixer that novice users would not be intimidated by. We minimised the amount of knobs & buttons and replaced any industry jargon with simple labels that everyone can understand.

We then looked at additional features that help to address problems that small stations often face. The built in telephone interface, VoIP channel and headphone volume limiting are just three examples of this approach.

Finally we looked at how we could make the overall user experience complete by integrating with our professional Myriad Payout software, blurring the line between broadcast software and the physical mixing desk.

The net result is a simple, user friendly and feature rich broadcast mixing solution designed especially for schools, colleges and community broadcasters, with enhanced features when used with Myriad Payout.

The SRMv2 Key Features

- User friendly broadcast mixer
- Clear, simple layout with no jargon
- Designed for small to medium studios
- Nine multi-function channel mixer
- Built in telephone interface
- Built in headphone volume limiter
- Large, simple LED volume display
- Remote output for fader starts
- Speaker muting when 'Mics' are on
- External mic-light switching output
- 'Program' and 'record' outputs
- 'Aux' input for iPod or MP3 players
- Four microphone/line channels
- Four Myriad channels
- Switchable telephone/AUX channel
- Connects to Myriad via USB cable
- Start buttons for Myriad Cart Players
- Channel lights show Myriad Cart status
- Rack or flush mountable
- Guest headphone 'talkback'
- Reliable, low cost mixing solution
- Built in USB soundcard for VoIP



Myriad Intelligent Interface

One of the most exciting innovations in The SRM is the new Myriad Intelligent Interface technology. Drop a Media Item in a Media Player in Myriad and the associated channel will light up on the SRM. Hit start on the mixer and Myriad will start playing and as the Media Item comes to the end on screen, lights flash on the SRM to warn the presenter to get ready.





Dimensions
 Width: 483mm
 Height: 356mm
 Depth: 108mm

4 x Mic / Line Channels
 Selectable microphone or stereo line inputs.

Phantom power (48v) optionally available in 'mic' mode.

Hardware output available for 'remote start' when in 'line' mode.

Selectable PGM and Rec outputs.



4 x Myriad / Line Channels
 Selectable Myriad or stereo line inputs.

When in Myriad mode, channel status is controlled by Myriad via USB connection. Start buttons also control Cart Players in Myriad.

Hardware output available in 'Line' mode for remotely starting external devices.

Selectable PGM or Rec outputs for flexibility.

1 x Telephone or VoIP / AUX Channel

Telephone mode can be set to either traditional analogue phone line (TBU) or VoIP using the built in USB sound device. TBU mode requires a standard analogue phone line. VoIP mode requires a VoIP solution such as Skype.

When switched to AUX input, audio is sourced from the AUX jack input on the main surface or the phono AUX inputs on the back panel of the SRM.

Headphones
 The SRM includes built in headphone limiting to limit the maximum volume for presenter and guest headphones. Guest headphone 'talkback' is also provided.

Speaker Muting & 'Mic Live' Light Switching
 When a microphone fader is opened, the SRM automatically mutes the feed to the studio speakers. It can also switch on an optional external 'mic live' light.

Desk Outputs
 PRG and REC outputs can be selected on a per channel basis.

Designed By Broadcast Radio, Built By Sonifex

Broadcast Radio are the UK's largest developer of broadcast radio software, so what do we know about capacitors and resistors? Well not much which is why we turned to Sonifex to make the SRM a reality.

Sonifex is one of the UK's leading manufacturers of broadcast audio equipment with decades of experience designing and building mixing desks and professional audio equipment. We set out the design and functionality of the SRM and Sonifex designed all the internal electronic wizardry needed to make it work.

With all design and manufacture undertaken in the UK, the SRM is a truly British product which is the result of an ongoing collaboration between Sonifex Ltd and Broadcast Radio. There are now hundreds of SRM's used in stations across the world.



Cutout Size: 440mm x 347mm

SRM Technical Specifications**Input / Output Impedances**

Mic Inputs (XLR-3):	> 1k Ω electronically balanced
Stereo Inputs (Phono):	> 20 k Ω electronically unbalanced
PGM Output (XLR-3):	< 50 Ω electronically balanced
REC Output (Phono):	< 75 Ω unbalanced
Monitor Output (Jack):	< 75 Ω unbalanced
Headphone Output Load (Jack):	> 16 Ω , recommended 250 Ω

Input / Output Gain Range

Mic Inputs:	Preset pot +24dB to +67dB ref -50dBu, TRIM pot \pm 15dB
Stereo Line Input:	+10dB ref 0dBu at PGM output, TRIM pot \pm 15dB

Frequency Response

Mic Input:	40Hz to 20kHz -1dB, +0dB
Stereo Inputs:	20Hz to 20kHz -0.5dB, +0dB

Noise (20Hz to 20kHz)

Mic Input E.I.N.:	-130dB with 150 Ω source.
Stereo Inputs	-92dBu ref 0dB (fader down, no routing)

Distortion

Total Harmonic Distortion:	0.015% at 1kHz, 0.015% at 10kHz ref +8dBu
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Range

Pan Range:	Off/-3dB Centre/Off
Balance Range:	\pm 6dB

Common Mode Rejection Ratio

Mic Input:	> 60dB typically
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Output

Maximum PGM Output:	+26dBu balanced
Maximum REC Output:	+16dBu unbalanced

Input & Output Connections

Mic/Line Channels (4 channels each comprising of):
 1 x Microphone XLR-3 pin female
 1 x Stereo line pair phono sockets
 1 x Remote Output 6.35mm Stereo Jack socket

Dual Stereo Channels (4 channels each comprising of):
 2 x Stereo line pair phono sockets
 1 x Remote Output 6.35mm Stereo Jack socket

Telco Channel (1 channel comprising of):
 1 x Stereo line pair phono sockets
 2 x RJ11-6-4 Telephone Line/Handset
 1 x 3.5mm Jack Socket Cleanfeed Output
 1 x Remote Output 6.35mm Stereo Jack socket

Main Outputs:

2 x XLR-3 pin male (PRG Output)
 1 x Stereo line pair phono sockets (REC Output)

Monitor/Control:

1 x Stereo line pair phono sockets (Broadcast Listen Input)
 2 x USB 'B' (Serial Control & USB Sound Device for VoIP)
 4 x 6.35mm Stereo Jack sockets (Guest & Presenter Headphones - 2 Front, 2 Rear)
 1 x 6.35mm Stereo Jack socket (Light Control Output)
 1 x 6.35mm Stereo Jack socket (Monitor Output)
 1 x 3.5mm Stereo Jack socket (Aux Input)

Mains Input:

Filtered IEC, continuously rated 85-264VAC, 47-63Hz, 45w nominal, 50w peak
 Fuse Rating: Anti-surge fuse 2A 20 x 5mm

Physical Specification

Dimensions: 48.3cm (W) x 35.6cm (D) x 12.5cm (H) (Raw)
 67cm (W) x 44cm (D) x 25cm (H) (Gross Boxed)