P Squared Ltd
Tel. 01482 350700
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Email: sales@psquared.net
Web: www.TheSRM.co.uk

SRM

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 SRM Broadcast Mixer

P Squared are proud to introduce The SRM. A low cost, simple 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 and headphone volume limiting are just two examples of this approach.

Finally we looked at how we could make the overall user experience complete by integrating The SRM with our professional Myriad Playout 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 using the Myriad Playout system.

The SRM Key Features

- User friendly broadcast mixer
- Clear, simple layout with no jargon
- Designed for school & community radio
- 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'
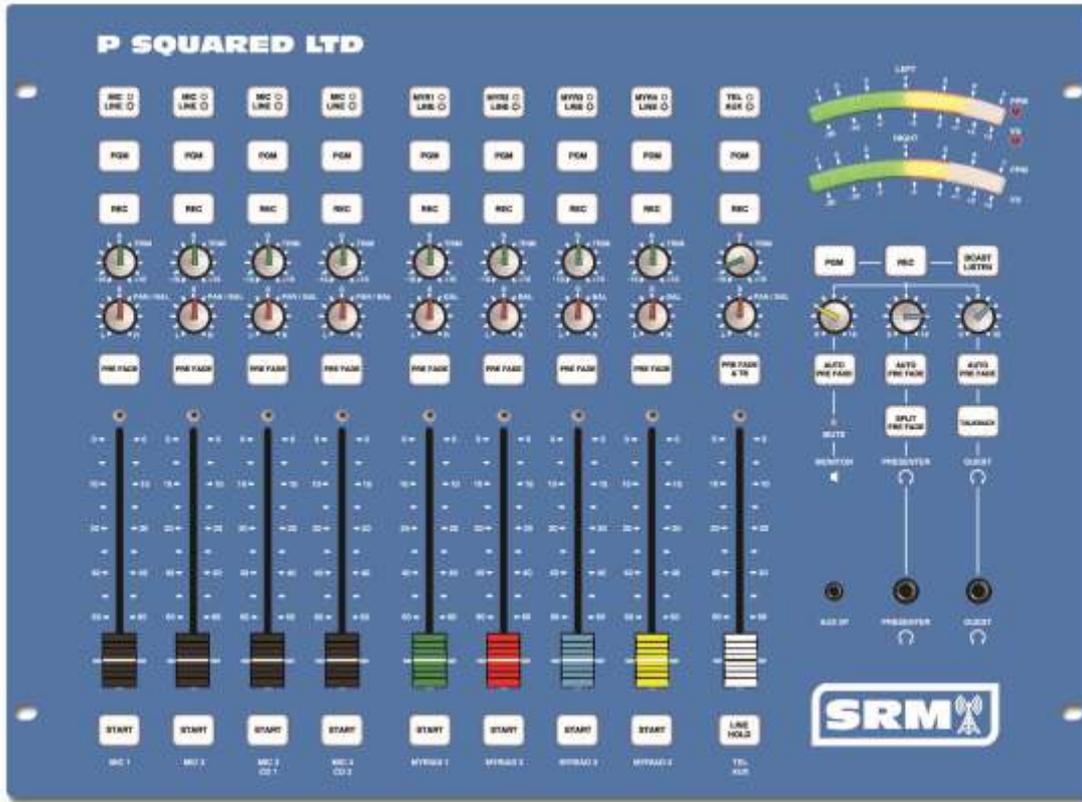- Reliable, low cost mixing solution

Myriad Intelligent Interface

One of the most exciting innovations in The SRM is the new Myriad Intelligent Interface (M.i.i) technology. Drop a Cart in a Cart 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 Cart comes to the end on screen, lights flash on the SRM to warn the presenter to get ready.

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SRM

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.

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

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 / AUX Channel
Select between telephone interface mode and stereo 'AUX' inputs.

When in telephone, you can connect an analogue telephone line to the SRM to allow you to make and receive phone calls through the mixing desk (standard handset required).

The 'AUX' stereo input provides a convenient additional input for external devices such as MP3 players.

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.

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SRM

Designed By P Squared, Built By Sonifex

P Squared are the UK's largest developer of broadcast radio software, so what do we know about diodes 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 undertake in the UK, the SRM is a truly British product which is the result of an ongoing collaboration between Sonifex Ltd and P Squared Ltd.

483mm (Standard 19 inch Rack Fitting)

356mm (8u Rack Fitting)

108mm
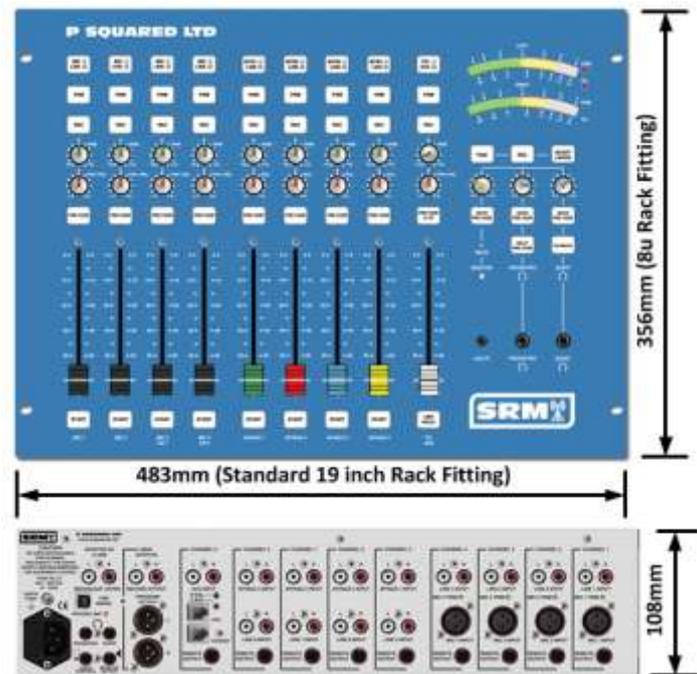
SRM Technical Specifications

Input / Output Impedances
Mic Inputs (XLR-3):   > 1k5   electronically balanced
Stereo Inputs (Phono):   > 20 k   electronically unbalanced
PGM Output (XLR-3):   < 50   electronically balanced
REC Output (Phono):   < 75   unbalanced
Monitor Output (Jack):   < 75   unbalanced
Headphone Output Load (Jack): > 16   , recommended 250

Input / Output Gain Range
Mic Inputs: Preset pot +24dB to +67dB ref -50dBu, TRIM pot ± 15dB
Stereo Line Input: +10dB ref 0dBu at PGM output, TRIM pot ± 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   source.
Stereo Inputs   -92dBu ref 0dB (fader down, no routing)

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

Range
Pan Range: Off/-3dB Centre/Off
Balance Range: ± 6dB

Common Mode Rejection Ratio
Mic Input: > 60dB typically

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 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)
1 x USB 'B' (Serial Control)
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)