

## Super Sonifex S2

Huddersfield Hospital Radio, also known as 2HR was established in 1953 and broadcasts primarily to the patients in the Huddersfield Royal Infirmary in the UK. It has approximately 40 staff who are all dedicated volunteers.

Trevor Horn has been a member of Huddersfield Hospital Radio for 26 years and has occupied the position of Studio Engineer for the last six years. He is responsible for purchasing studio equipment and recently bought 2 x Sonifex S2-10 channel digital I/O analogue radio broadcast mixers in a split configuration.

The S2 is used for live broadcasts of music and requests shows. Broadcasts are made to the patients using the hospital media system Monday to Friday from 7pm to 10pm and from 10am at weekends. Between those hours of live broadcasts there is a 24 hour computerised service available to patients. There is also a link with the football stadium where the local sports team provide live commentaries to the infirmary on all home football and rugby matches. There are also links to the local community as these commentaries are relayed to special seats for the visually handicapped at the stadium.

Trevor said, 'Having looked at a few mixers we decided on the Sonifex S2 having seen it at the Hospital Broadcasting Association conference in Leeds. The quality and layout of all the controls plus the reliable name of Sonifex were the deciding factors in buying the S2.'

As part of the installation, Trevor also purchased the Sonifex S2 Solutions studio U-shaped furniture and a SOL-T12 desk-top rack-pod commenting, 'The installation and the ease of connection to our equipment meant that we were only off air for 30 hours and the backup and technical support from Sonifex has been excellent throughout.'

The Sonifex S2 uses the latest technology components to offer digital audio quality with analogue reliability in a modular format. It has a number of features which make it ideal for use in community based projects. First of all, it's very simple to use with automated control of speaker muting and on-air and mic-live sign switching and fader start of ancillary equipment such as CD players and automation systems. For internet broadcasting the S2 has simultaneous analogue and digital outputs with an S/PDIF digital output which can be connected directly to the soundcard of a PC for internet streaming.



Huddersfield Hospital Radio re-equip with Sonifex S2 mixers

There are a wide range of input and output channels and the mixer is built to the customer's specification, allowing the flexibility of configuring the mixer for any radio application whilst minimizing the costs involved. The S2 has two main audio buses, allowing broadcasting on the main PGM bus and simultaneous recording on the AUD bus, with bus output selection on each module.

For more information about the Sonifex S2 mixer or the Sonifex S2 Solutions furniture, please contact our sales team at: [sales@sonifex.co.uk](mailto:sales@sonifex.co.uk) also see our advertisement on the rear cover.

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Hospital Radio Wey, the volunteer radio station based in Chertsey, began at Weybridge Hospital in 1965. It has expanded to cover Ashford and St. Peters Hospitals and is looking to increase its services to other hospitals, care homes and the health sector across the area. The hospitals are each linked by BT landlines and broadcast from 9am until 10pm each day, including live commentary from local football matches and other outside events of local interest.

In 1989 the station moved to larger accommodation at St Peter's Hospital where it benefited from two studios. Here it expanded its facilities by introducing a digital playout system and an internet radio connection making it also possible to extend its service to care homes. In 2005, major decisions were made about the station's future

due to some of the equipment giving service problems. A scheme to provide better studio accommodation could not be funded so it was decided to refit the existing studios.

Peter Harman, Presenter & Studio Development Officer, said, 'The choice of mixer was a key decision as this was the biggest investment for the two studios. Sonifex products were chosen because the S2 desks had a simple layout, standard XLR input connections and the company also had complimentary studio switching and ancillary equipment. Since installation, members have adjusted easily to using the Sonifex desks and have commented favourably on their ease of use.'

The two studios were replaced one at a time in 2007 and 2008 with the same S2 digital I/O analogue radio broadcast mixers, to offer familiarity to the presenters whichever studio they were using. The mixers were 20 channels wide and had the following configuration:

Three mic/line channels were used and advantage was made of the dual inputs. One of the mic inputs was dedicated to the presenter's mic, the other two being guest mic's and a line input was taken from the permanently wired feed from the hospital chapel. Another mono line input mono was occasionally used when they had live music in the studio.

There were two telco channels and one mix minus channel connected to three phone lines using a dual Sonifex HY-03 telephone hybrid and a single

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Sonifex HY-02 hybrid. One little bespoke change that was made to the second studio was to mount indicators in the hood in line with the channel strips to mimic the line-hold indicator on the HY-03, acting as a very effective silent incoming call indicator.

Two SL1200 turntables were connected to two gram/line channels with the line inputs wired to phono sockets for use by external equipment such as laptops, tape machines and ipods.

Finally, eight dual stereo channels were used as inputs for four Myriad playouts, two Denon DN-C635 CD players, a Tascam MD350 mini-disk player and a Tascam combined cassette and CD-RW recorder.

There is also a feed from the respective other studio, a newsfeed and tuner output, to provide an off-air feed, available on desk inputs.

The audio output is used to provide feeds for recording and headphone amplifiers via a ProAVM DA-IT distribution amp.

Headphone amplifiers enable either station output (for guests) or presenters headphones with pre-fade (for trainees) to be available.

The main station transmission equipment was also replaced with the second studio using a Sonifex Station Master and appropriate Sonifex Redbox audio interfaces for distribution and studio indicator 'On-Air' and 'Mic-On' switching.

The new studios have served as a springboard resulting in a successful RSL FM broadcast in 2008. This has given valuable experience to the team of presenters as Radio Wey awaits the decision from Ofcom regarding a Community Radio licence application.

For more information about Hospital Radio Wey, visit their website: <http://www.radiowey.co.uk/>

The Sonifex S2 is a new breed of radio broadcast mixer. Using the latest technology components, it offers digital audio quality with analogue reliability in a modular format. The S2 has a wide range of input and output channels, PFL/cue, fader-start operation of equipment, automatic monitor muting on mic-live, light switching remote outputs, optional EQ on input modules, gram amp input options and 2 main audio buses, allowing you to broadcast on the PGM bus while recording on the AUD bus, with bus output selection on each module. It also has both digital and analogue input channels, together with simultaneous analogue and digital outputs.