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Type R  
for radio



Type R is a modular IP radio system which uses standard network technology and can be tailored to individual operator needs.

The rise of streaming services and increased competition for the attention of listeners is forcing the radio market to look for innovative ways to engage with their audiences.

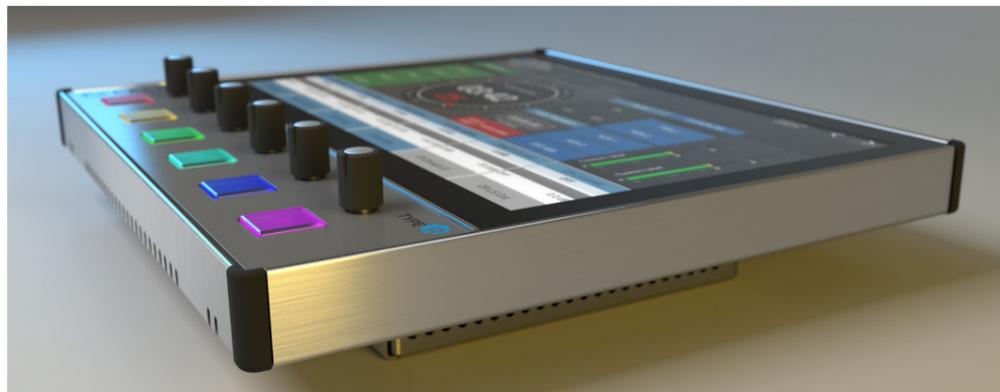
Modern radio stations are finding that they need to operate in a multitude of ways to connect with different target audiences.

The flexibility to dynamically interact with listeners presents opportunities for both radio stations, their advertisers and stakeholders.

Type R fully allows Calrec to meet these prevailing market demands. Type R is a modular, expandable, IP-based radio system from Calrec Audio.

It utilises standard networking hardware and soft panels which can be tailored to operator needs, with a 2U core with integrated I/O.

As an independent studio console, microphone processor or utility mixing console, Type R's AES67 compatible network provides all the flexibility you will ever need.



Touch-screen soft panels are designed around colourful control elements and can be customised as multi-function panels. Functionality can be changed using memory loads, to be tailored to fit the needs of the talent.



Type R has a simple 2U core at its heart with integrated I/O resources to get you up and running immediately; combined with the flexibility of the AES67 compatible network it provides all the power you will ever need.



Type R's physical control system consists of just three slimline panels: a fader panel, a large soft panel and a small soft panel. Each is compatible with COTS hardware and powered over ethernet to keep cabling to a minimum.

Type R provides simple customisation across established networks, open control protocols and surface personalisation.



Fader panels are small, sleek and simple, with six faders and immediate access to essential controls and can be added or removed as by simply plugging or unplugging an ethernet cable.

#### Surface and Hardware

- Full size 100mm faders
- Up to 48 physical faders on one surface
- External Talkback microphone
- 2 x stereo headphone outputs (1/4" TRS jack) I/O boxes
- Integral 512<sup>2</sup> router
- AoIP connectivity, including redundant connectivity for all I/O boxes
- Up to 256 audio channels per AoIP port

#### Processing

- Multiple sample rates; operates at 44.1, 48 and 96kHz. All DSP facilities available at all sample rates.
- Between 18 and 60 input channels per console
- Up to 3 x (mono, stereo or 5.1) main outputs
- Up to 8 x (mono, stereo or 5.1) a groups
- Up to 16 (mono or stereo) aux outputs
- Dedicated suite of Dynamics and EQ on all channels and groups
- 2 x stereo mix minus buses
- 1 x off-air stereo conference bus
- 48 x external monitor/meter inputs
- Unlimited VCA groups

#### I/O

- 4 x AES inputs, 4 x AES outputs, 8 x analogue mic/line, 8 x analogue line level output, 12 x GPI, 12 x GPO ports and 2 x stereo headphone outputs, with optional redundant AoIP boards
- 1U Combo I/O unit provides 4 x AES inputs, 4 x AES outputs, 8 x analogue mic/line input, 8 x analogue line level output, 6 x GPI, 6 x GPO ports and 2 x stereo headphone outputs, with optional redundant AoIP boards
- 1U Analogue I/O unit provides 16 x channels of analogue mic/line input, 16 x channels of analogue line level output, 6 x GPI and 6 x GPO ports
- 1U Digital AES I/O unit provides 8 x AES inputs, 8 x AES outputs, 6 x GPI and 6 x GPO ports

More information at [calrec.com/type-r](http://calrec.com/type-r)



Type R is a resilient console system designed for reliable professional use, with all the requisite power, function and scalability to keep you on air for many years to come.



Type R is a thoroughly modern and customer-focused radio broadcast system which adapts to a station's needs as its requirements evolve. With a native IP Backbone, Type R provides an infrastructure for future expansion.