



Product spec. sheet

RK2040 four way diversity rack receiver from Audio Ltd

ESTABLISH YOUR POWER BASE

Every RK2040 rack lets you access up to 4 receivers. Link up multiple racks and you can monitor up to 48 receivers, all from a PC. Complete control is within reach.

Additional diversity receivers

The RK2040 is a compact 1U, 19-inch rack capable of accommodating up to 4 diversity receivers; the minimum specification unit has two receivers and additional receiver modules can be purchased separately.

Individual LCD displays

Each receiver on the RK2040 has an individual LCD display that shows both sides of the RF, the audio level and the status of the transmitter's battery. The name, frequency and audio output level of each wearer is also displayed.

32 pre-programmed frequencies

Each receiver on the RK2040 has 32 pre-programmed frequencies.

Increased switching bandwidth

Each receiver on the RK2040 now comes with a switching bandwidth of up to 24MHz.

Built-in active distribution amplifiers

With the built-in active distribution amplifier, only two antennae are needed to supply the signal for four receivers, eliminating the need for additional splitters and combiners. With the RK2040, eight receivers can be operated from one set of antennae.

Four transformer balanced line level outputs.

Four transformer balanced line level outputs adjustable down to mic level in 1dB steps offer great isolation with flexible outputs.

Remote monitoring and control

The RK2040 has a built-in RS485 PC interface for remote monitoring and control from up to 1000m (4000ft) away via Audio's custom-designed PC-based application. Up to 12 racks can be linked together using only one cable, which means up to 48 receivers can be monitored with one PC. The application software is included in the price.

Mains or battery powered

The RK2040 can be mains-powered via an AC/DC adapter. Alternatively, any DC source with voltages from 10 to 18 volts – for example, a car battery – can be used via a four-pin XLR socket.

Headphone monitoring

A quarter-inch stereo headphone jack socket can be found on the front panel of the RK2040 to allow for local monitoring of the audio.

Frequency range	470 – 1000MHz
Number of diversity receivers	Up to 4
Active distribution amplifier bandwidth	24MHz, with phantom powering for Audio Ltd masthead amplifier
Powering	10 – 18 Volts DC via 4 pin XLR male socket
Antenna inputs	2 x BNC 50 Ohms
RF outputs	2 x BNC 50 Ohms
Sensitivity	-98dBm for 40dB SINAD
Audio outputs	4 x 3 pin XLR
Output level	+14 dBu maximum, transformer balanced
Frequency response	50Hz – 18kHz \pm 1dB
Headphone output	Standard 6.5mm (1/4 inch) jack socket with adjustable level
Display and controls	Backlit LCD display with comprehensive, intuitive set up of individual receiver parameters via a simple 4 button interface
PC connection	2 x RS485 9 pin sub-D type connector. One connector connects to PC via RS485 to RS232 adapter (available separately). Maximum cable run for twisted pair cable - 1000m. Second connector allows subsequent racks to be daisy-chained
Size	1U high 19-inch frame. Depth – 270mm
Weight	3.45kg

Please note: Specifications subject to change without notice.

For further information contact Audio Ltd or your local distributor

www.audioltd.com