

ALLEN & HEATH

SQ-Rack FREQUENTLY ASKED QUESTIONS

Q: How big is it?

The SQ-Rack fits in a standard, shallow 19" rack case and is 4U when the rack ears are fitted so the front or rear is parallel to the rack rails. When fitting the ears so the unit is angled, an extra 1U may be required above or below the SQ-Rack depending on the angle and the other equipment being used in the space.

Q: Does it come with rack ears?

Yes, rack ears are included in the box and provide multiple options for mounting the SQ-Rack, refer to the rack ear fitting guide for more information.

Q: Does it fit in the Qu-Pac soft bag?

No, although SQ-Rack is very similar in size to Qu-Pac, the Qu-Pac has an angled front and an insert in its soft bag which prevents use with SQ-Rack.

Q: Is it different to the SQ-5, SQ-6 and SQ-7?

The SQ-Rack has the same core as all SQ's, so it has the same processing and channel count. The only difference is the form factor, with a faders screen instead of physical faders and the additional SQ-Control screen.

Q: Is it Show/Scene/Library file compatible with existing SQ?

Yes, you can recall any existing SQ Shows, Scenes or Libraries on the SQ-Rack.

Q: Does SQ-Rack replace the Qu-Pac?

It is not a direct replacement, but there will be applications where SQ-Rack is a better option (e.g. higher channel count or Dante capability requirements) so we do expect some impact on Qu-Pac sales.

Q: How many channels can I mix?

The SQ XCVI core has 48 input processing channels and 36 busses, with 8 FX engines.

Q: How many input and outputs can I connect?

The SQ-Rack has the same I/O capability as an SQ-5:

- 16 (+talkback) XLR input sockets with preamps
- 3 stereo line input sockets
- 12 XLR output sockets
- 2 TRS output sockets
- AES3 stereo digital output
- Intelligent 128x128 SLink port for Everything I/O connection to expanders and other A&H mixers
- 64x64 I/O Port for use of SQ-Dante, SQ-Waves, SQ-MADI or SLink option cards (128x128 when used with SLink)
- 32x32 USB-B Audio Interface

Q: Can I use it as a stagebox/expander?

No, this may be possible in future, but the SQ-Rack's primary function is as a mixer, to which expanders are connected.

Q: How is it controlled?

A: There is a touch screen and hands-on control available for install use, and in many applications the SQ-Rack will be controlled using remote devices connected over a wired or wireless network.

Q: Do the IP Controllers (IP-1, IP-4, IP-6 and IP-8) work with it?

No, these use a different form of messaging to communicate with dLive, Avantis and AHM systems.

Q: Can I use the Custom Control app or CC7/CC10?

No, this uses a different form of messaging to SQ and the Custom Control setups also need to be stored and managed in the mixer, which is only possible with dLive, Avantis and AHM.

An alternative is the SQ-Control app, which offers simplified control for SQ mixers.

Q: What are the main differences between SQ-Rack and AHM?

SQ-Rack Features (not in AHM)	AHM Features (not in SQ-Rack)
<ul style="list-style-type: none">• XLR and TRS Jack connections• 8 FX engines• Designed for live mixing• 7" Touchscreen• More hands-on control• Simplified SQ-Control app• SQ4You personal monitor app• Add-ons (DEEP processing) for creative mixing	<ul style="list-style-type: none">• Phoenix connections• Echo cancellation options• Designed for matrix mixing, zone and speaker management• Custom Control app and CC7/CC10 support• Works with A&H IP Controller range• GPIO• Built-in audio storage/playback• Time based event automation

Q: Does it have AMM?

Yes, the SQ series has 2x 24 channel AMM's, which can be combined to use as a single 48 channel AMM

Q: Does it have Add-ons?

Yes, just like the rest of the range, there are DEEP and RackExtraFX Add-ons available from <http://shop.allen-heath.com>. The correct SQ model needs to be selected when purchasing and 'SQ-Rack' will be added to the list of models.

Q: Does it have any of the Assistant features from CQ?

No, the SQ series does not feature the Gain Assistant, Feedback Assistant or FX Assist at the moment, though we are always monitoring demand.