

PRODUCT FACTS

Studio Konnekt 48

Pricing and Availability
Shipping 25 September 2007



In short

What is Studio Konnekt 48?

Konnekt Studio 48 is a pro quality audio interface with IMPACT II™ preamps and built-in DSP effects, ranging from channel strips and a reverb to speaker control and bass management. It comes with a remote for mixer control, speaker select and a built-in talkback microphone.

Who is Studio Konnekt 48 for?

Konnekt Studio 48 is for the producer or recording musician, who wants to upgrade his current audio interface to a complete studio solution with high quality mic preamps.

What are the main features (selling points)?

- Extensive I/O section with IMPACT II™ preamps
- 24/8 channel digital mixer with 48-bit double precision summing and 56-bit internal processing
- World-class DSP effects
- Speaker management based on AIR™ technology
- Desktop remote control with integrated talkback microphone

What will Studio Konnekt 48 do for me?

Studio Konnekt 48 will improve the sound quality of your recordings.

It will optimize the way you record and produce and it will allow you to work faster, saving time to focus on the performance rather than the technical stuff.

It comes with a full featured remote that doesn't take up much space on your desk.

How will Studio Konnekt 48 improve the sound of my recordings?

Studio Konnekt 48 will improve sound quality of your recordings.

- It offers 4 IMPACT II™ preamps. TC's highly acknowledged mic preamp technology offers outstanding sound quality for any type of recording
- It has high quality 192 kHz converters on all analog inputs and outputs, based on TC's experience in high-end A/D and D/A conversion
- It has built-in TC Electronic DSP effects based on algorithms from our high-end System 6000, Reverb 4000 and AIR™ speaker series

The converters are driven by the DICE II JetPLL™ jitter elimination technology, offering one the industry's best digital clocks, and your recordings will simply sound great no matter if they are done from digital or analog sources.

Sales tips

- The remote is the “face” of the product, so let customers play around with it. DIM function (push the level knob) is nice and easy to show. Let them experience the coolness of the knob.
- If two sets of speakers are connected, speaker A/B/C select is a great feature to demonstrate.
- Beware that Studio Konnekt 48 can become the hub in the store that allows several different sets of monitor speakers to be demonstrated.
- Guitarists will appreciate the tuner feature of the remote. Point mode is what people will prefer, but Strobe mode looks very cool. (Point/Strobe modes are selected in the TUNER tab in the control panel)
- If possible, let them hear the sound quality. People will hear the improvement, also just by listening to a track from Media player or iTunes.
- To show the reverb, use the reverb feature of the remote. Make sure that “reverb send” on the DAW channel is turned up. Remember that you can control the reverb level and time (push).
- The “PANEL” button is great to show. This automatically opens and closes the control panel on your computer screen right from the remote.
- If a sub speaker is present, make sure to show the bass management section of the control panel.

In depth

How will Studio Konnekt optimize the way I record and produce?

Studio Konnekt 48 has a number of features that will optimize your work flow, both when you record and when you mix or master.

- With the large number of inputs, you’ll be able to record all sources at once.
- It has built-in reverb for direct monitoring use. The reverb is controllable from the remote, which means that it is always at hand when you need a touch of reverb, e.g. for the singer in the recording booth. The reverb runs on the internal DSPs, which makes it available even when your computer is not attached or when you are not working with your host application. Running on DSPs also means that the reverb is part of the direct monitoring signal, with practically no latency.
- The two headphone outputs have individual source and level control, in addition, you can use the line outputs to send mixes to headphone amps.
- You can do individual mixes for individual artists, and each of them can have their own amount of cue reverb. For further sound quality optimization you can use the 4-band EQ and/or 3-band compressor on each of the AUX sends.
- With the included remote you have all the important features right next to you at all times. You don’t have to open the control panel to adjust monitoring levels, reverb time or other important mixer parameters. The remote even has a built-in guitar tuner so if you are a guitarist, all you need to do is hit the TUNER button to get your guitar in tune.
- The built-in talkback microphone and the listen back feature will ease communication with the artists. The talkback microphone signal can be recorded into your DAW for audio notes.

Why will Studio Konnekt optimize the way I mix?

- The remote features speaker set selection, so you can verify your mix on up to three speaker sets to verify your mix in different environments.
- You can also assign your headphones to a “speaker set” for easy switching between monitor speakers and headphones if you use the Studio Konnekt 48 in a “noise sensitive” environment.
- The digitally controlled analog outputs ensure high precision on your speakers. With digital control, left and right speakers are perfectly aligned with no phase problems, and with more speaker sets, speakers can be trimmed individually to the same level for precise comparison.
- With the Bass Management you can easily add a sub speaker to your speaker setup, for instance to verify how your mix sounds when it is played on large speaker setups. Bass management is independent of your host application and works with all the sources played by your computer, including iTunes or any DVD playback software.
- If you’re not satisfied with the sound of your DAW mixer, you can choose to mix with the Konnekt mixer. The mixer has 48-bit double precision mix points and 56-bit internal processing.
- The included plug-ins give you a nice set of tools to optimize your mix. Use the Assimilator to optimize the EQ of sources and use the ResFilter to add nice filtering effects to your mix. The Integrator plug-in combines virtues from external hardware with the ease of use of plug-in technology, by letting you use external hardware devices as if they were plug-ins.

Competitor comparison

TC Electronic Studio Konnekt 48, RME Fireface 800, Apogee Ensemble			
Feature	TC Electronic Studio Konnekt 48	RME Fireface 800	Apogee Ensemble
Preamps	4	4	4
Instrument inputs	4	1	4
Analog channels simultaneously streamed to/from the DAW	12x12: 12 inputs (4 mic, 8 line) 12 outputs (2 XLR, 8 line, 2 HP)	10x10: 10 inputs (2 mic, 2 mic/line, 5 line, 1 line/inst) 10 outputs (8 line, 2 HP)	8x8: 8 inputs (4 mic/inst, 4 line) 8 outputs (8 line)
Headphones outs	2	1	2
MIDI I/O	1/1	1/1	No
Word Clock I/O	1/1	1/1	1/1
96 kHz SMUX ADAT I/O	8/8	8/8	4/4
SPDIF I/O	1/1	1/1	1/1
Total number of channels streamed	58 (30 to, 28 from DAW)	56 (28 to, 28 from DAW)	36 (18 to, 18 from DAW)
DSP Mixer, works in stand-alone mode	Yes	Yes	No
Built-in DSP effects	* Fabrik C Studio built on System 6000™ technology 4-band EQ, De-ess, 3-band compressor/limiter * Fabrik R Studio built on Reverb 4000™ technology. 9 algorithms * Tuner	* Limiter with speaker emulation for instruments	* Limiter * UV22HR dither
Included native Plug-ins	ResFilter, integrator, Assimilator konnekt	None	None
Surround support	Yes, up to 8 channels	Yes, up to 8 channels	Yes, up to 8 channels
Bass management	Yes, built on AIR™ technology	No	No
High resolution input meter	Yes	No, 2 leds: sig and clip	Yes
Speaker management	Yes, 3 sets, with individual level and delay trim	No	No
Talkback feature	Yes, mic included	No	No
Included remote	Yes	No	No
Other	Runs with FW400 and is compatible with all ASIO, WDM and CoreAudio based applications.	Runs with FW800, but does not take any advantage of it (number of channels with FW400 is the same)	Integrates directly with Logic. Mac only.

Konnekt comparison

Konnekt 24D, Konnekt Live, Digital Konnekt x32 and Studio Konnekt 48				
Feature	Konnekt 24D	Konnekt Live	Digital Konnekt x32	Studio Konnekt 48
Analog Inputs	2 IMPACT™ mic/ inst/line, 2 bal line	2 IMPACT™ mic/ inst/line, 2 bal line	-	4 IMPACT II™ MIC/INST 8 Analog Line bal/unbal
Analog outputs	4 bal	4 bal/unbal selectable	2 bal	2 XLR digitally controlled analog outputs 8 LINE outs with surround support 2 separate channels for headphones
AES I/O	-	-	8	-
S/PDIF I/O	2	2	8	2
ADAT/ TOS	8 In/Out / 2 In/Out	8 I/O / 2 I/O	8 I/O / 6 I, 4 O	8 96kHz SMUX I/O / 4 I/O
MIDI I/O	Yes	Yes	-	Yes
Headphone out	2	2	1	2, with individual source and level control
Input meter	3 segments, 2 channels	3 segments, 2 channels	1 led signal indicator, 24 channels	6 segments, 12 channels
DSP mixer / router	14/6 channels Double precision summing mixer	14/6 channels Double precision summing mixer	16/16 flexible bit- transparent router	24/8 channels Double precision summing 56bit internal processing mixer
DSP Effects	Fabrik C Fabrik R Tuner	Fabrik C Live Fabrik R Live Tuner RIAA filter		Fabrik C Studio Fabrik R Studio Tuner Speaker management Bass management
Routing DSP effects to outputs	-	Yes	-	Yes
Assignable light ring	Yes including reverb level/decay	Yes, including reverb level/decay and MIDI control	-	Yes, on the remote, including reverb level/ decay and MIDI control
Programs/scenes	3	3	4	3
Native Plug-ins	Assimilator Konnekt, Integrator	Assimilator Konnekt ResFilter Integrator	Integrator	Assimilator Konnekt ResFilter Integrator
VST, AU compatible	Yes	Yes	Yes	Yes
Connection	FireWire	FireWire	FireWire	FireWire
JetPLL jitter elimination technology	Yes	Yes	Yes	Yes, with Clock Recovery
Max samplerate	192	192	192	192
Turntable integration	-	Yes. With special included cable and selectable RIAA curves	-	-
DAW FireWire channels	24 (12x12)	24 (12x12)	32 (16x16)	48 (24x24)
Included host	Cubase LE	Ableton Live Lite 6 TC Edition	-	-
Design	½ rack studio/mobile design	½ rack mobile stage- ready design with rubber enclosure	19" full rack studio design	19" full rack studio design
Included Remote	-	-	-	Yes, Studio Kontrol desktop remote