



Recording Studio
User Guide



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Control Room Specifications

Console - Conny Plank 56 Channel Handmade Mixing Desk.

Handmade console built by Conny Plank, Peter Lang and Michael Zahl and originally situated at 'Conny's studio' in Cologne, Germany and moved to Studio 7, London in October 2015.

Nicknamed 'The Plank' the Studio 7 desk was designed by Konrad 'Conny' Plank in around 1970 and was custom built and upgraded over 14 years with the help of German engineers Peter Lang and Michael Zahl. The plank has been painstakingly hand laminated in cherry wood reputedly taken from one single tree from Conny's garden. It has 56 custom made channels each one featuring vintage custom Peter Lang parametric EQ, hand wound Michael Zahl pre-amps and rare germanium transistors. As part of Conny's unique design the power rail runs off a 32 volt supply rail rather than the conventional 48v meaning that the rail runs hotter than other consoles giving the desk it's legendary warm tone and a magical ability to magnify audio clarity whilst boosting harmonic resonance. The desk's signal path is deliberately uncomplicated with signal routing controlled by real switches and relays rather than FET switches. The incredible custom made EQ section is based on a classic Baxandall circuit and has been designed to Conny's own spec so the circuitry changes characteristic as the cut/boost control is swept through the centre position to assign specific Q and frequency characteristics separately to boost and cut. The pre-amps are a classic transformer based mic input using Pikatron RUP 505 M transformers. All channels feature a unique channel top patch bay with 48v phantom power and a wide range of auxiliary busses. Metering comes via the original 1970's plasma display bridge. The desk also has a fully integrated bantam jack patch bay for routing to and from hardware units. Despite its age 'The Plank' is still making history today having been used to record and mix many recent albums including 'In Our Heads' and 'Why Make Sense' by Hot Chip, 'Right Thought, Right Words, Right Action' by Franz Ferdinand, and 'Communion' by Years and Years.

Conny's Studio

Between 1970 and 1987 'Conny's studio' became one of the most prestigious recording studios in Europe credited with producing many classic albums including 'Autobahn' by Kraftwerk, 'Vienna' by Ultravox, 'Before and After Science' by Brian Eno, 'In the Garden' by Eurythmics and 'Echo & the Bunnymen' by Echo & the Bunnymen. Conny was a huge influence on Bowie and Brian Eno who used Conny's studio to produce Devo's first album in 1978.

*Technical specifications supplied by maintenance engineer Chris Myring of Myring Wiring Feb 2016.

Digital to Analog Conversion

32 track recording/ playback via:

2 x UAD Apollo 16 MkII
1 x UAD Quad Satellite Processor

(This system utilizes a large range of UAD Analogue Hardware Emulation Plug-ins via a total of 12 external UAD SHARK processors. System includes using plugins as if hardware during recording stage via UAD Digital console).

Computer

iMac Retina 5k 27 Inch late 2015
Processor : 3.2 Ghz Intel Core i5
24gb Ram
OSX El Capitan

Second display screen - Acer 4k hi resolution 27 inch monitor
Lacey Super Writemaster CD/ DVD Drive/ Writer

DAW Software

Pro Tools 12
Logic Pro X
Ableton Live 9.5

UAD Plug Ins (can be inserted into input channel during recording as if hardware)

Fairchild tube limiter collection
API vision channel strip
Pultec passive EQ collection
Ocean way studios room modeller
Teletronix LA-2a leveller collection
UA 1176 limiter collection
Studer A800 tape machine
EP-34 Tape Echo
Precision enhancer Hz
Trident A-range EQ
EL7 Fatso Jr compressor/ saturation
EMT250 reverb
Little Labs IPB phase alignment
Moog filter
DBX 160 compressor
Teletronix LA-3a limiter
Helios 69 EQ
Neve 1073 EQ
Neve 1073 Preamp and EQ collection
Roland RE-201 tape delay
EMT 140 plate reverb
Teletronix LA-2a legacy
UA 1176LN legacy
UA 1176SE legacy
Cambridge EQ
Realverb pro
Pultec EQP 1A legacy
CS1
Lexicon 224 reverb
AMS RMS16 reverb
Marshall Plexi 1957 guitar amplifier emulation
Uad Precision multiband mastering compressor
Uad Precision EQ mastering compressor
Uad Precision mastering limiter

Brianworx V3 EQ Collection
Fender 55 Tweed Delux
Precision K Stereo Ambience Recovery
Raw Plug Emulator
Softube Amp Room Modeler
Sound Machine Wood Works
Oxford Inflator
UA 610b Pre Amp and EQ
Eventide H910 Harmonizer

Other Software

Waves Platinum
Arturia V Collection 3
TAL - Sampler
iZotope Break Tweaker
Native Instruments Komplete
Spektrasonics Omnisphere
UVI Orchestral Suite
Soundtoys 5 Plug In Collection

Reference Monitors

Genelec 8030a Active Speakers
Yamaha NS10 Speakers via Quad 405 amp

Studio Monitors

Adam S3H-X Active Studio Monitors

Outboard

8 x Barth U311 Gold can Compressor / Limiter/ Gate units (integrated into recording desk).
4 x Valley People Kepex II gate units (integrated into recording desk).
Lexicon 480L Reverb unit
2 x Joe Meek Stereo compressor unit
Focusrite ISA 220 Preamp/ Compressor/ EQ
Duel GML Massingberg Preamp unit
TLA Duel Valve Pre- amp DI Preamp unit
Presonus Digimax FS 8 channel preamp unit
2 x Roland Chorus Echo Tape delay
Aphex Aural Exiter
Korg Toneworks Rack mounted tuner

Midi

Motu Midi Express 8 channel Midi Interface
Kenton Pro 2 Midi-CV Converter

Live Room

The Studio 7 live room is aprox 450 square feet in size, has 32 line outs and 8 lines in. It has been is carefully acoustically treated. Continuing the seventies inspired design of the control room hessian coated panels of sound proofing absorb muddy low end frequencies while it's pinewood linings enhance the presence of mid range and high frequency reflections. A large acoustic window gives a clear view of the control room beyond and a specially built tall cupboard houses 4 full sized wheel-able acoustic screens. The live room has a smaller alcove at one and five lockable equipment cupboards that will ensure safe storage of all visiting artist's equipment. The live room is easily big enough for pre-recording rehearsals and live pre-production. It comes equipped with a 16 channel mixing desk, a PA and a large selection of drum kits, amps and equipment.

Vocal/ Drum Booth

Studio 7's second live room is a vocal booth/ dead room situated right next to the control room. It has 16 inputs and is big enough to incorporate a full sized drum kit. It is fully acoustically lined to stop all audio reflection. It has sliding glass doors at the front providing a perfect view into the control room and a live video feed connects to the main live room providing any singer or musician recording a live session a view of the band.

Headphones

Studio 7 has two headphone amps providing up to 10 headphone lines running to both live rooms.

6 x Beyer Dynamic DT100 studio headphones
1 x Beyer Dynamic DT770 pro studio headphones
6 x Assorted make general purpose headphones



Live room specifications

PA

2 x Mackie c300z Passive Speakers
Prosound 1000 power watt amp
Allen and Heath Mixwizard 16:2 mixing desk with effects

Active monitors

4 x Mackie SRM450 active monitors
2 x Mackie SRM350 active monitors
2 x RCF Evox 8 speakers and subs

Amps

1963 Vox AC30
1973 Siverface Fender twin
1884 Roland JC120 jazz chorus
1987 Roland JC120 jazz chorus
1978 Carlsbro cobra lead
Peavey Classic
Laney LC30
1969 Ampeg B15 bass combo
Ampeg Classic bass head
Ampeg Svt 2 pro bass head
Ampeg Classic 8x10 bass cab

Keyboards/ Drum Machines

1983 Sequential Circuits Prophet 5 Synth
1983 Roland Jupiter 8 Synth
1982 Roland Juno 60 Synth
1984 Yamaha DX7 Synth
1985 Korg Poly 800 mkII Synth
1981 Yamaha SK-15 String Machine
Korg MS2000 Synth
Roland RP101 ERW Electric Piano
M-Audio Axiom Midi Keyboard
1968 Vox Continental Organ Keyboard
Whirlitzer Electric Piano
Roland TR808 Drum Machine
Roland TR909 Drum Machine
Roland Dr Rhythm DR660 Drum Machine
Roland Vdrums HD-3 Electric Kit

Microphones

AKG Vintage C12 Valve Condenser Mic with control unit and power supply
Mojave MA-300 Multi Patern Valve Condenser Mic with control unit and power supply
8 x Shure SM57 Dynamic Mic
8 x Shure SM58 Dynamic Mic
2 x Neumann TLM103 Condenser Mics
Soundfield V Stereo Image Condenser Mic with Rack Unit
2 x Coles 4038 Ribbon Mics
AKG 414 Condenser Mic
2 x AKG 214 Condenser Mic
3 x Sennheiser 421 Cardioid Mic
2 x Beyerdynamic M201 TG Dynamic Mic
Rode NT1000 Condenser Mic
Shure SM7b Dynamic Vocal Mic
Shure Beta 52a Bass Drum Mic
Heil PR-48 Bass Drum Mic
Subkick Bass Drum Mic (NS10 cone)

Drum Kits

Yamaha 9000 Recording custom in Piano Black
8" 10" and 12" Rack Toms. 14" Floor Tom
20" Bass Drum.

Pearl Masters Maple Custom in Piano Black
12" Rack Toms 16" Floor Tom
22" Bass Drum

Gretsch Renown Rock Kit in Oyster Pearl
13" Rack Tom 16" floor tom
24" Bass Drum

Snares

Ludwig Black Beauty Brass Snare 14" x 6.5"
Tama Imperial Star Steel Snare 14" x 5"
Pearl Masters Maple Custom Snare 14" x 6.5"
Remo Brass Picallo Snare 14 x 3.5

Cymbals

Large range of Zildjian, Sabian and Meinl Cymbals
Acoustic Baffles

2 x Heavy Duty Room Height Acoustic Baffles (on wheels).
2 x Heavy Duty Room Height Acoustic Baffles with windows (on wheels).

The Papertank Collective

Studio 7 has unrestricted 24 hour access to the Papertank collective - a beautifully converted unit situated a few doors down from the studio. It has a large open communal space to relax in complete with comprehensive self catering facilities meaning artists can escape the studio at any time to put their feet up, eat and unwind. It has four toilet and shower units, table football, a ping pong table, a beautiful garden and an indoor cinema.

