



# STUDER

**STUDER SERIE 961/962**  
**Series of Portable Mixing Consoles**



## Compact mixing consoles with a wide range of applications

**Big performance from a small package.** Compact and portable, the 961/962 consoles deliver "outsized" performance wherever top quality, professional audio is required – in either the analog or digital domains.

**Highly flexible.** In the studio, in OB or remote recording, in audio production or post-production, in the control room, or for sound reinforcement in theaters: the 961/962 Series of consoles is perfectly adaptable to the user's requirements.

**Highly reliable.** Innovative refinement of proven technology: that is the basis of the 961/962's extraordinary record of reliability and dependability.

**Highly convenient operation.** 30 mm modules result in a compact, neat and uncluttered operating surface. The controls are logically arranged with the audio engineer in mind.



### Portable studio convenience

On location, the sturdy flight case unfolds with minimal set-up time into a comfortable audio mixer. If necessary, the 961/962 can be operated without mains connection using an optional DC converter.





#### **Mobility in the studio**

The 961/962 is ergonomically designed for flexible integration into the studio environment without sacrificing any of the features that make it such an excellent portable console. Available with either the standard instrument panel or with optional modular panel components from the 900 Series studio mixing console.

#### **Adaptable**

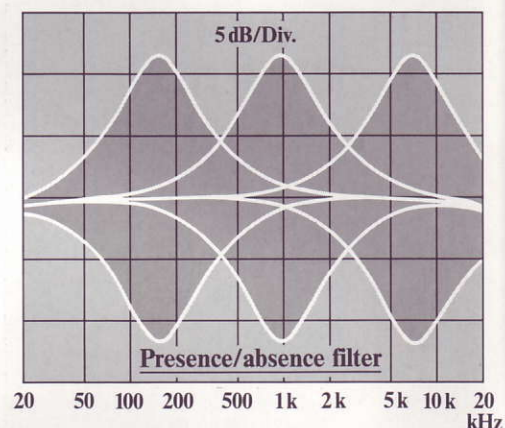
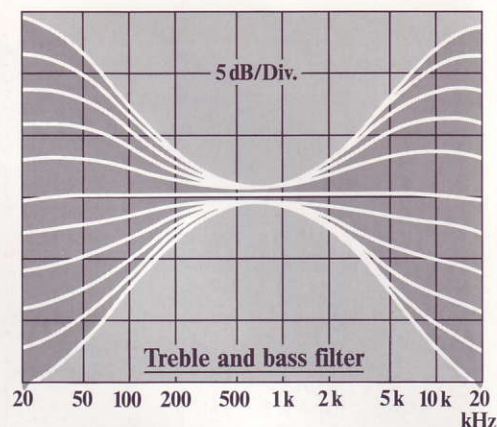
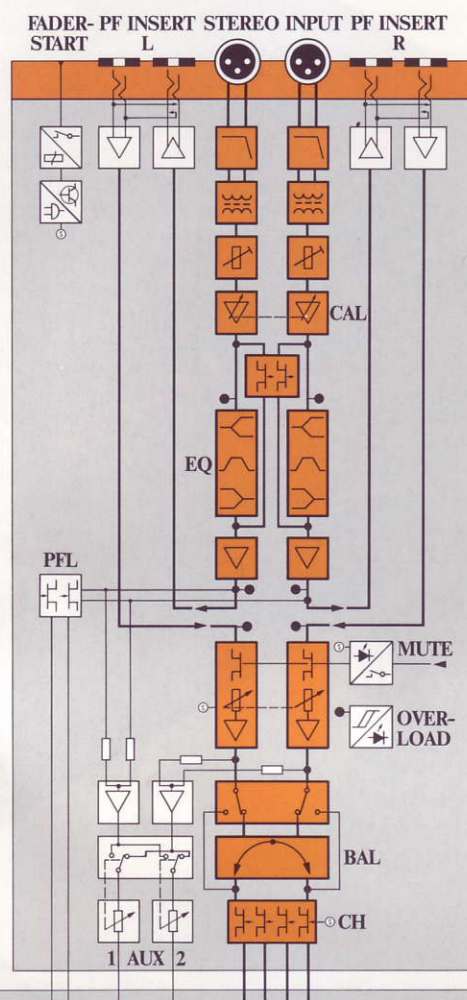
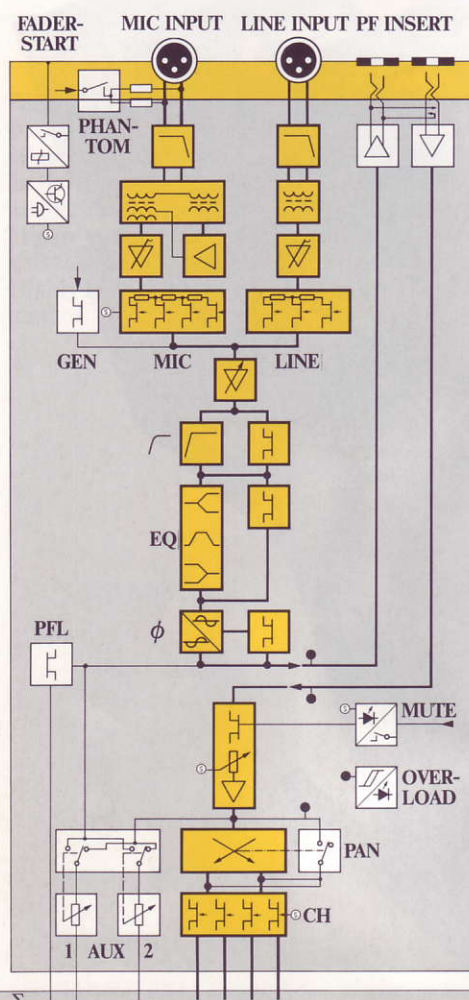
The fully modular plug-in design of the 961/962 makes individual channel configuration possible. Two different size baseframes accommodate 14 or 20 modules respectively. Two slots are reserved for both the monitor and the talkback modules. Depending on the channel configuration of the mixing console, two to four additional slots are occupied by master output modules. All other slots are available for custom configuration with modules from a complete line of mono and stereo input units.

#### **Upgradable and Expandable**

If additional inputs are required, there are two possible alternatives: using a mixing console coupling kit, or a slave mixer. With the coupling kit, a bus interface is used to join the inputs of two separate 961/962 mixing consoles. In this configuration, input capacity can be increased by the number of inputs available in the coupled mixing console. With the slave mixer – an expansion unit fitted only with input modules built in a 961 or 962 frame and coupled to a 961/962 master console – up to 18 additional inputs become available.



## Modular plug-in concept: For maximum use of a comprehensive range of functions



### Mono input module

Using electronic, click-free selection, the mono input module is switchable to three input sources:

- Microphone input: balanced and floating with continuously variable input sensitivities from  $-70$  to  $-10$  dBu, or in 15 dB steps. Maximum input level is  $+6$  dBu. The patented circuit (US PAT. 4,567,442) performs in the same manner as an active balanced input. The 48 V phantom power supply is on/off switchable for every Mic input.
- High-level balanced and floating line input with sensitivity from  $-10$  to  $+24$  dBu that can be varied continuously or in 15 dB steps.
- Generator input for connecting the built-in test oscillator: five fixed frequencies with adjustable level from 0 to 15 dB. Additional features include: a phase inverter switch that acts on all input sources, a switch-controlled high-pass filter (bass cut) with a cutoff frequency of 75 Hz, a master selector for two or four master buses and a panorama potentiometer (switchable).

### Stereo/high-level input module

- Balanced and floating high-level input for mixing stereo signal sources with studio level
- Input sensitivity factory aligned to the nominal level specified by the customer
- Fine level-adjustment for calibrating the input gain by  $\pm 10$  dB
- Master selection, for joint selection of the master buses 1+2 or 1+2/3+4
- Balance potentiometer (switchable).

### Standard features

- Overload indicator: signals that the admissible level before or after the fader has been exceeded
- Two individually adjustable auxiliary outputs AUX1/AUX2, connectible before or after the fader
- 3-band equalizer: connectible treble and bass filters ( $\pm 15$  dB) combined with a presence/absence filter with center frequency (150 to 8000 Hz) adjustable within the range of  $\pm 12$  dB
- Mute key: mutes the input channel electronically (click-free), removable, with status indicator LED
- Prefader listening of the mono or stereo signal
- Precision conductive plastic fader with 100 mm travel (stereo version, mechanically coupled)
- Fader start logic detects the input operating state and enables the fader start (relay contact)
- Signalization logic detects the input operating state for correct studio signalization
- Electronically balanced PF insert for each input channel. Insert level  $+6$  dBu.



## Input modules

## Output modules

## Monitor modules





Studer Series 961/962...





On Air...



### On Air with the Studer 961/962

Ideal as a disc jockey style on-air mixer...

- Universal input modules for line level or microphone level, with switch-controlled microphone phantom supply
- Mechanically coupled stereo high-level inputs
- Fader start facility
- Removable MUTE key (cough button) for each input
- Filter section for sound modification or as a personal equalizer
- Compressor/limiter
- Control room monitor with PFL monitoring
- Studio signalization for visual on-air status indication
- Studio monitor with comprehensive talkback facility, built-in TB microphone, and automatic monitor muting
- AF generator connectible to any mono input module, for simple calibration and quick fault isolation, ●●● and many other ingenious auxiliary control room functions.

In addition, Studer offers a comprehensive line of system-compatible peripherals.



on OB assignment...



**In the recording or broadcasting van: STUDER 961/962**

The rugged, compact 961/962 consoles handle tough OBV assignments easily. High standards of technical excellence, the optimal use of space, reliability, and ease of maintenance are the outstanding qualities of the 961/962 Series.

Though compact the Studer 961/962 offers a very generous operator surface and exceptional performance. Mechanically as well as electronically, this audio mixer concept is designed for high power handling capacity and reliability – two extremely important requirements for OBV applications.

**Studer 961/962**  
as an integral part of video post production



in production and audio post-production...

#### Studer mixer controlled by a video editor

When configured with the video editor interface, the Studer 961/962 permits additional creativity in video post production as an audio mixer/switcher for simple and automatic editing of playback program sources. Accurate fading/cross-fading as well as channel-specific muting/switching of monitor sources are provided. Central operation from the keyboard of the video editor<sup>1)</sup>.

#### Studer tape machine controlled by a video editor

The audio transport interface creates full compatibility between the audio transport control and the video control systems. This means that Studer multichannel tape machines can be used in the video post-production studio as high-quality audio program sources. All tape deck functions can be centrally remote controlled via the video editor, in perfect synchronization with the master video recorder.



<sup>1)</sup> e.g. SONY® BVE900 Automatic Video Editing Control Unit



... with a broad range of accessories

A mixing console, in order to deliver full performance in whatever application or environment it operates, must offer a full array of system-compatible peripheral devices. Drawing on years of experience in studio planning, Studer offers a comprehensive range of peripherals and accessories for its 961/962 consoles, among them:

- Studio consoles for ergonomic workstations
- Studio meter panels from the Series 900 (in place of the pluggable standard panel) for enhanced instrumentation
- A full line of modules such as bargraph level indicators, illuminated moving coil instruments, a faderstart-controlled digital stop watch, tape recorder remote control modules and much more.

**19" base rack** for convenient installation of peripheral devices such as telephone hybrid, noise reduction systems, power amplifiers, etc.

**Slave mixer**  
for up to 18 additional inputs.

## STUDER REVOX

Sales offices:

**Australia**, North Sydney 4064700. **Austria**, Vienna 47 33 09 / 47 34 65. **Belgium**, Hasselt (011) 229 664. **Canada**, Toronto (416) 423-2831. **Denmark**, Lynge (02) 18 76 17. **Finland**, Helsinki 358-0-755 7711. **France**, Paris (1) 45 33 58 58. **Germany**, Löffingen 07654-8030. **Great Britain**, London 01-953 0091. **Hong Kong** 5-441-310 / 5-412-050. **Italy**, Milano (02) 25390121. **Japan**, Tokyo (03) 465-2211. **Netherlands**, Gennep 08851-96300. **Norway**, Oslo (02) 356110. **Singapore** 2507222/3. **Spain**, Madrid 2317840. **Sweden**, Solna 08 / 7340750. **USA**, Nashville (615) 254-5651.

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**Distribution boxes**  
for extended connection facilities.

**Talkback box**  
for monitoring,  
intercom, and  
signalization in the studio.