Sound Studio SST-1X

Hello and Welcome to the NOBELS Sound Studio Family!
The SST-1X is the latest state of development in our proven concept:
Musicians design for musicians.

Now you can take advantage of more innovations.
Please compare with other portable multieffects devices. The more you compare, the better we look - and sound! The next pages will tell about the specifications.

But please be aware of the following:
* please use provided power supply only and check the voltage.
  W-Germany: 220 V/USA: 1 10 U/UK: 240 V
* connect the power supply to the SST-1X socket (20) or use good, leakproof batteries only. Don't put them in upside down.
* don't take the SST-1X in the shower: in other words, please treat it carefully, only cleaning it with a dry duster
* all audio connections should be shielded cabels only, like standard guitar cables, with a wire and a shield; cables with two wires and no shield are speaker cables and not acceptable *(enormous noise)*

Okay, let's go. Enjoy your NOBELS Sound Studio SST-1X!

Musicians and engineers of the No 1 Designing Team
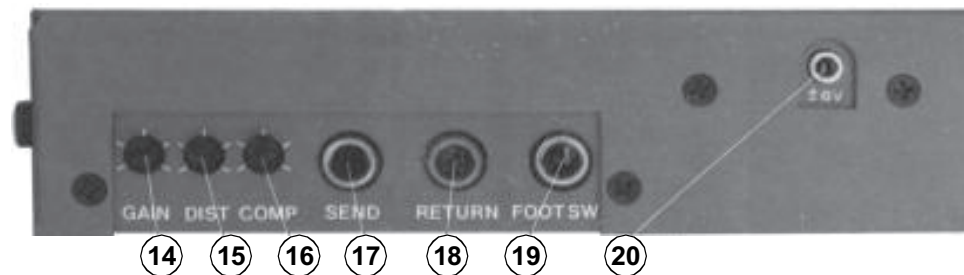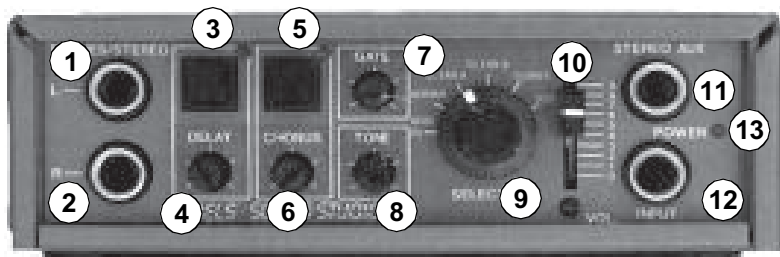
Adjustment of tbe SST-1 X to Your Instrument

- put the guitar cable into socket (12)
- connect the headphones to socket (1)
- slide volume (10) to position 6
- switch sound-selctor (9) to "**NORMAL**"
- turn the volume pot of your instrument to max. position
- turn the gain pot (14) until the output of your instrument and the input sensitivity of the SST-1X match
  No distortion should be heard, even when hitting strings hard
- after this adjustment, set selector switch (9) to "**CLEAN A**"
- now adjust the compression rate with comp. pot (16)
- if this should lead to distorted sound, re-adjust input sensitivity, gain-pot (14)
- after use, please disconnect guitar cable from socket (12), as this helps saving batteries

Sound Selector Switch

A 440 Hz: Tuning tone; for the A-string a tuning tone 440 Hz *(quartz stabilized)* is heard simultaneously to the guitar

NORMAL: Normal guitar sound.

CLEAN A: Normal guitar sound with compression, best for superclean funk and percussive rhythm sounds.

CLEAN B: Like CLEAN A, but with pre-equalized frequency: specific frequencies in bass and treble are boosted. this gives an even more aggressive CLEAN A sound.

0-DRIVE: This is the CLEAN B sound plus "sweet, soft and lazy" distortion.

DIST.: Here you can get everlasting sustain, heavy metal power and super hard rock sounds, perfect for solo parts.

Stereo Chorus:

Pushing the button (5) activates the stereo chorus. The green LED lights up. You can adjust the modulation with the pot (6). Turning pot (6) to the very left gives a "doubling effect". A delay of some 20 milli seconds. making the sound fat *(in stereo)*. The red LED (13) "POWER" indicates the frequency of the chorus rate *(flashing)*

Stereo Delay *(Stereo-Room-Simulation)*

The button (3) activates stereo-delay. This very sophisticated circuit had been designed to give best stereo guitar-room-sounds The red LED indicates "delay active". Delay intensity is fully adjustable with pot (4).

Tone Control *(Semi-Parametric-EQ)*

The tone control pot (8) makes it possibel to change the frequency of the mid-boost-filter to the treble or bass side.

Notice: the tone control is active in CLEAN A, CLEAN B and OVERDRIVE mode only.

Compression *(Sustain)*

The compression pot (16) influences the sustan. At the same time compression prevents clipping. It works as a limiter *(NORMAL and OVERDRIVE)*

Distortion

The distortion pot (15) sets the basic distortion level for the SST-1X.

Noise Gate

When turning the noise gate pot (7) more to the right, the noise gate shuts down the ouput of the SST-1X, as soon as the instrument's signal is getting too weak (compared to the noise). Setting the pot to middle position gives a different result: as soon as the signal of a guitar is getting weaker the gate will reduce treble only, so the guitar's signal is not cut off. Turning the pot to the very left de-activates the noise gate.

Send/Return loop

If you want to use an additional effect unit, it should be inserted into the 5ST-1X. Connect the SEND socket (17) to the input of the other effect unit and the output of that unit to the RETURN socket (18) of the SST-1X. You will get much better results, as the SST-1X drives the other effect much better than the output of a guitar could.

TIP: The SEND socket (17) can also be used as a second output (tuning devices, monitoring. etc.). The signal coming out is without chorus and delay, as these effects are behind the insert point.

Footswitch

By conncecting standard footswitch to socket (19) yuo can switch from DISTORTION to any other pre-selected (9) sound.

Please use real latched switches (not momentary switches).

Connection to Amplifiers General

- connect the output socket (1) to the line input or regular input of your amplifier.
- raise master volume on amplifier as high as possible.
- volume can be adjusted with the pre amp volume of your amplifier and with the volume fader of the SST-1X
- you can also use the socket (11) as an additional stereo output.

CAUTION: the output signal of the SST-1X is strong! Perfect for studio and homerecording. Therefore it does no need to be boosted through the preamp of your amplifier. Use linear setting of your tone controls (don't use treble boost etc.).

Stereo Amplification

- use a standard 1/4" stereo cable to connect from output socket (1) to the stereo input of an amplifier.
- or use 2 standard shielded instrument cables from outputs (1) and (2) of SST-1X to the inputs of 2 amplifiers.
- you may also connect output (11) to the stereo input of an amplifier.

Playing to music *(from a Tape Deck)*

You can play to any source e.g. from a tape recorder, by connecting the outputs of the tape recorder to the STEREO/AUX input (11) of the SST-1X.

Recording your instrument

- connect the output (1) of the SST-IX to the input of your tape deck.
- If you need the output (1) for connection to your amplifier, you may also use the STEREO/AUX ouput (11) for recording.

By conncecting standard footswitch to socket (19) you can switch from DISTORTION to any other preselected (9) sound.

Please use real latched switches (not momentary switches).