

Three engines, four fanfares, two Schaltgeräusche, ignition, turbocharger, Martinshorn, compressed air of noises, Rückfahrpieper...

### Servonaut Soundmodul SMX

The SMX is the advancement of the successful SMT and uses equivalent two microprocessors for the sound synthesis. Thus for the first time also a realistic reproduction of the typical turbocharger whistling is possible. The SMX can be individually adapted by three different sounds of engine and a set of attitude and options practically to each Truck and each taste. The larger memory and the higher arithmetic performance provide for still better sound and more details.



The sound module SMX for Trucks and working models uses a Wavetable synthesis for the noise production, as it is usual also with music Synthesizern today. The engine noise is adapted on the engine speed and the driving conditions. The noise is shown not simply faster or more slowly, but also changed in sound and volume. Additionally the rendition differs with accelerating/acceleration also from the noise when the deceleration and/or unrolling. Thus a realistic sound already develops when ranking. By complex electronics all changes in the sound remain "smooth" without audible transitions or stages. The SMX can show engine, turbocharger, Rückfahrpieper and compressed air up to four noises at the same time, e.g.

No additional accumulator necessarily. The module can be supplied directly from the Fahrakku.

Four switching functions:  
- Ignition/starter  
- Fanfare  
- Martinshorn  
- Auxiliary drive number of revolutions

Batteries at 7,2 to 12V

We recommend loudspeakers with 7,2V our 4 ohm, with 12V against it 8 or 16 ohms.

### Function range and adjustment possibilities

The most important attitude takes place directly on the module: The SMX can copy three motor types: Actros V6, Scania V8 and TGA rows 6-Zylinder are selected over a link plug. Starters and storage noises adapt automatically.

All remaining attitudes are made either by means of a "sound menu" at the SMX or by on board computer of a Servonaut of K-automatic controller. Four fanfares and two Schaltgeräusche stand to the selection. In addition the volume of the turbocharger is to switch off the compressed air noises and the Rückfahrpiepers separately adjustable or the respective noise completely. The volume attitude altogether is made by a small potentiometer that easily hidden can be installed.

Up to four functions can be called up over the remote control. Starters and fanfare are operated alternatively via one extra channel or two exits of a multi-SWITCH. Thus the SMX is universally with and usable without multi-SWITCHes.

### SMX at standard trip automatic controllers and the Servonaut E20, T20, M212

With these trip automatic controllers the module between receivers and trip automatic controllers is eingeschleift (E20, T20, M212: see guidance). Rückfahrpieper and Schaltgeräusche are missing however.

### SMX at Servonaut S20 and M20+

The SMX is connected with the sound exit of the automatic controller and recognizes the type of automatic controller automatically. The warning clay/tone when backing up is alternatively also disconnectible at the SMX. With the M20+ additionally with the change between pre and reverse gear the Schaltgeräusch is shown.

### SMX at Servonaut K or F-Fahrtreglern with on board computer

During the connection at Servonaut Fahrtregler with on board computer all

attitudes can be made directly by on board computer up to the engine choice. The Schaltgeräusch also produced with the actual scolded over a transmission. With the Scania V8-Sound is additionally with scolded at igh number of revolutions also the positive pressure blowing of the turbocharger off audibly (disconnectible).