

Communication System

SV4-S

SV5-BT

HS4-2

HS4-1

HS-BT1



Manual

ALGE-TIMING

Important Information

General

Before using your **ALGE-TIMING** device read the complete manual carefully. It is part of the device and contains important information about installation, safety and its intended use. This manual cannot cover all conceivable applications. For further information or in case of problems that are mentioned not at all or not sufficiently detailed, please contact your **ALGE-TIMING** representative. You can find contact details on our homepage www.alge-timing.com

Safety

Apart from the information of this manual all general safety and accident prevention regulations of the legislator must be taken into account.

The device must only be used by trained persons. The setting-up and installation must only be executed according to the manufacturer's data.

Intended Use

The device must only be used for its intended applications. Technical modifications and any misuse are prohibited because of the risks involved! **ALGE-TIMING** is not liable for damages that are caused by improper use or incorrect operation.

Cleaning

Please clean the outside of the device only with a smooth cloth. Detergents can cause damage. Never submerge in water, never open or clean with wet cloth. The cleaning must not be carried out by hose or high-pressure (risk of short circuits or other damage).

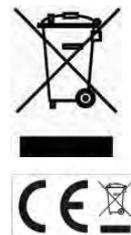
Liability Limitations

All technical information, data and information for installation and operation correspond to the latest status at time of printing and are made in all conscience considering our past experience and knowledge. Information, pictures and descriptions do not entitle to base any claims. The manufacturer is not liable for damage due to failure to observe the manual, improper use, incorrect repairs, technical modifications, use of unauthorized spare parts. Translations are made in all conscience. We assume no liability for translation mistakes, even if the translation is carried out by us or on our behalf.

Disposal

If a label is placed on the device showing a crossed out dustbin on wheels (see drawing), the European directive 2002/96/EG applies for this device.

Please get informed about the applicable regulations for separate collection of electrical and electronical waste in your country and do not dispose of the old devices as household waste. Correct disposal of old equipment protects the environment and humans against negative consequences!



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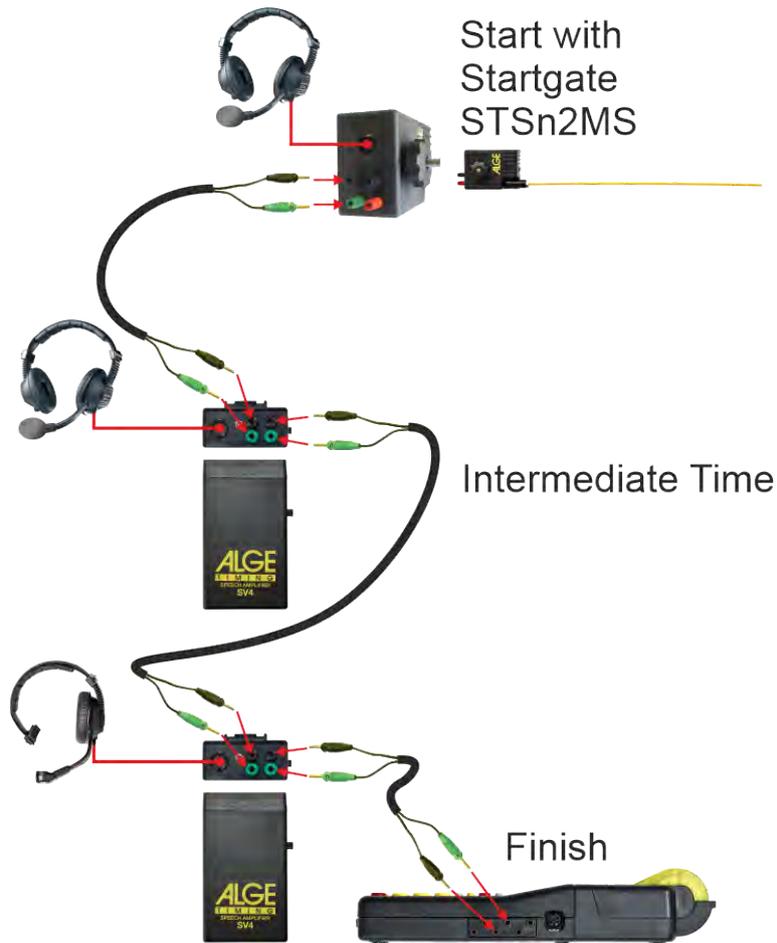
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1 Speech System



2 Speech Amplifier SV5-BT

2.1 General

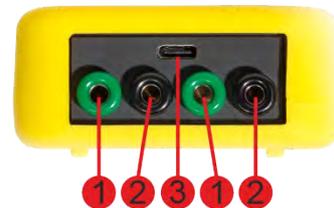
The speech amplifier SV5-BT is connected to the starting line with banana plugs. On the SV5-BT you can connect a headset with USB-Type C or pair a Bluetooth headset.

ATTENTION: Not all USB-Type C headsets work with the SV4-BT. Headsets that have installed a chip in the plug usually do not work.

- A red LED is on, when MUTE or TALK is on
- B Mute..... to switch microphone on or off
- C increase volume
- D decrease volume
- E TALK..... as long as you press this key the microphone is switched on
- F..... PAIR to pair a Bluetooth headset
- G Status LED
 - green, when a headset is paired
 - red blinking, when no headset is paired
 - orange, if the device searches for a headset to pair
- H On-/Off switch



- 1..... impulse line (start signal)
- 2..... Ground
- 3..... USB-Type C socket for charging



2.2 Scope of delivery

- Speech amplifier SV5-BT
- USB cable
- Charging adapter



2.3 Charging

The SV5-BT has a built-in Li-Ion battery. Charging takes place via the USB type C socket (3) with the supplied power adapter and USB cable.

- Charging time: approx. 12 hours at +20 °C
- Running time: approx. 130 hours at +20°C

2.4 Functions

2.4.1 On-/Off-Switching

- Press the key  (H) to switch the SV5-BT on.
- Press the key  (H) to switch the SV5-BT off.

2.4.2 Volume

- Press the key  (C) to increase the volume.
- Press the key  (D) to decrease the volume.

2.4.3 Microphone ON or OFF

- Press the key  (B) to switch the microphone of the headset on or off. If the microphone is on a red LED will be on over the key  (B).

2.4.4 Pairing with a Bluetooth Headset

A Bluetooth headset must be paired to the SV5-BT. This is done by switching on "pairing" for the SV5-BT as well as for the Bluetooth headset.

Attention:

How the pairing is activated with the Bluetooth headset can be found in the operating instructions for the device.

Activate the Pairing Function of the SV5-BT

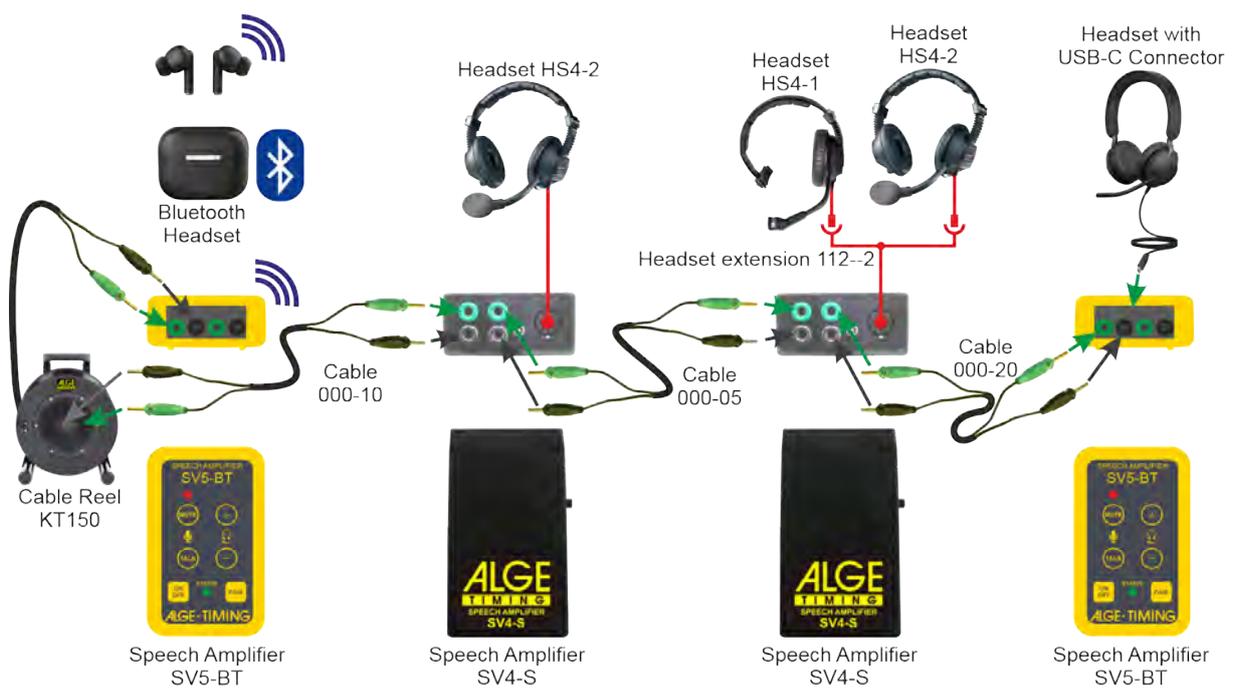
- Switch on the SV5-BT with the key  (H).
- The status LED (G) flashes red
- Press the key  (F)
- The status LED (G) now lights up orange
- The SV5-BT tries now to find a headsets to connect
- If a Bluetooth headset is found, the status LED (G) lights up green and the headset is connected to the SV5-BT

2.4.5 Connecting an USB-Type C Headset

It is important with USB-headsets that they are plugged in before you switch on the SV5-BT. Not every USB Type C headset is compatible with the SV5-BT.

- Check if the SV5-BT is switched off
- Connect the USB type C headset to the USB socket (3).
- Switch on the SV5-BT by pressing the button (H).
- If the status LED (G) is green, the headset has been recognized and is working
- If the status LED (G) is flashing red, this headset is not compatible with the SV5-BT.

2.5 Cabling of a Speech System



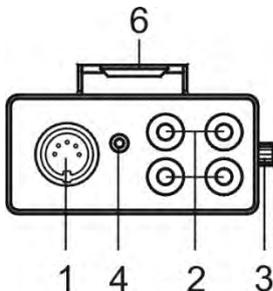
3 Speech Amplifier SV4-S

The speech-amplifier and the headset enable a communication between starter and timing staff. The speech-amplifier possess a built-in 9V-battery. If this battery is empty, you can hear a "knocking" in the earphones. You can find the battery at the bottom side of the speech-amplifier.

Attention: After end of the event, don't forget to disconnect the headset and the start microphone from the speech-amplifier. Then the speech-amplifier will automatically switched-off.

The speech-amplifier SV4/SM will be connected to the timing device with a 2-wired cable (e.g. KT300).

The polarity of the cable must be correct! The polarity is all right, if the light-emitting diode of the SV4/SM blinks periodically.

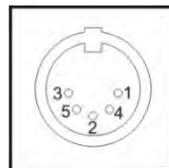


Speech Amplifier SV4-S

- 1 DIN-socket to connect the headset
- 2 Banana socket for connect 2-core speech cable (possibility for a combination with impulse line (start signal))
- 3 Volume of earphone of headset
- 4 Speech switch (press = microphone of headset is on / switch to turn microphone on or off)
- 6 Clip (to fasten on belt)

Plug to connect the headset HS4-2 or HS4-1

- 1microphone of headset
- 2.....shared ground
- 3.....earphone headset
- 4.....empty
- 5.....empty



Switch:

- up..... switch – speaking operation is on
- middle microphone of headset is off
- down switch – speaking operation is on



Switch-on:

The speech-amplifier will switch-on automatically when the headset is connected. The start microphone is fed through the internal battery of the speech-amplifier.

ATTENTION: It is necessary that all devices are disconnected from the speech-amplifier at the end of an event, so that the internal battery won't be unloaded needlessly.

Volume adjustment:

With the volume controller (3) you can adjust the volume of the headset-loudspeaker.

max. Volume	Middle adjustment	min. Volume
+6 dB	0 dB	-20 dB
double nominals	nominal	1/20 nominal

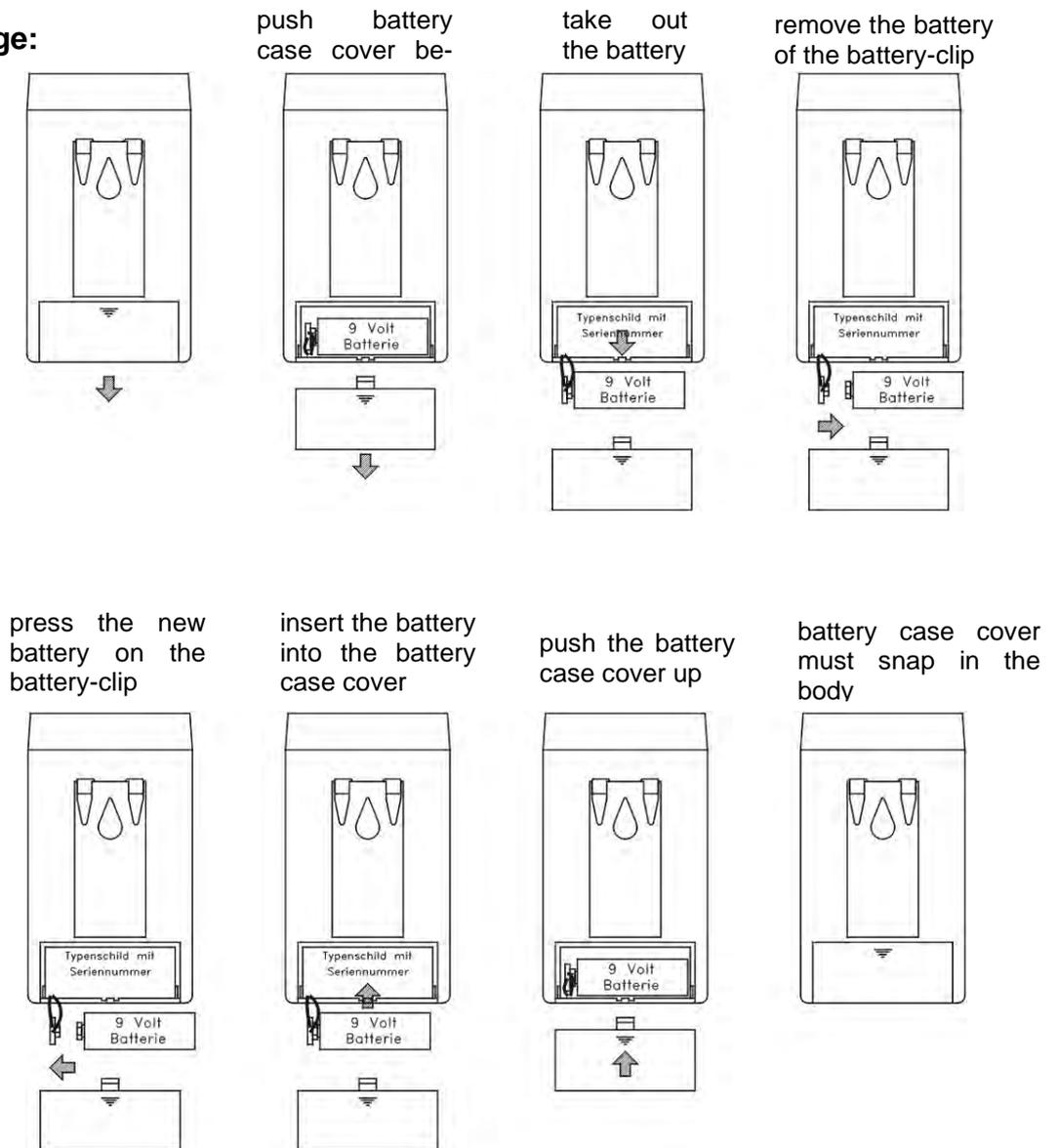
Power supply:

The speech-amplifier includes a 9V alkaline battery.

Type of battery: 9 V Alkaline batteries (E-Block)
Battery durability : approx. 150 hours at 20°C for SV4 and SV4-SM, SM included
 approx. 25 hours at -20°C for SV4 and SV4-SM, SM included

Overvoltage control at SV4-SM:
 $U_{\text{Batt}} < 5,5 \text{ V}$ (left capacity = 10%), Beep all 3 seconds

Battery exchange:



Dimensions: 120 x 73 x 40 mm (length x width x height) **Weight:** approx. 100 g (without battery)

4 Headsets

The headsets HS4-2 and HS4-1 are compatible for use with ALGE-TIMING timing devices and ALGE-TIMING accessory which has a built-in speech amplifier as well as with the speech amplifier SV4-S and SV4/SM.

These headsets cannot be used with the speech amplifier SV5-BT.

4.1 Headset HS4-2

Headset with double sided headphone and microphone.



4.2 Headset HS4-1

Headset with single sided headphone and microphone.



4.3 Bluetooth Headset HS-BT1



4.3.1 Buttons and Connections

- 1..... On/Off-Button
Pause-Button
Play-Button
Pick Up Button
End Call Button
- 2..... Volume + / Next Track
- 3..... Volume - / Previous Track
- 4..... Microphone
- 5..... AUX-in Socket
- 6..... USB-Type C Socket
- 7..... LED-Indicator Light



4.3.2 Charging

To charge the headset a USB-A charger or a USB-A charging socket is necessary. For example, the charger from the SV5-BT speech amplifier can be used. The charging cable is included.

During charging, the LED (7) on the HS-BT1 lights up red continuously. If the battery is charged, the LED goes out. The charging time is approx. 2 hours.

Do not charge the headset for more than 10 hours.

4.3.3 Switching on and off

- Switch the headphones on by pressing button 1 for 3 seconds. When switched on, the LED (7) flashes red three times.
- Switch the headphones off by pressing button 1 for 3 seconds. Before switching off, the LED (7) flashes red three times.
- If the headset is not paired with another device, it switches off automatically off after 5 minutes.

4.3.4 Pairing

- Switch on headphones by pressing button 1 for 3 seconds.
- The LED indicator light (7) of the HS-BT1 lights up. In pairing mode, the LED alternates between red and blue.
- Switch on the speech amplifier SV5-BT by pressing the ON/OFF button.
- Switch to the pairing mode of the speech amplifier SV5-BT by pressing the PAIR button.
- When the two devices are connected, the LED (7) lights up blue and the status LED of the speech amplifier lights up red.

4.3.5 Adjust the Headset to Your Head

The headband of the headset can be pulled out on both sides and thus adjusted to the head.



4.3.6 Transport or Store the Headset

The headset can be folded using two hinges. This helps to make the headset smaller and better protected.



4.3.7 Important Notes

- Keep the headset dry and store it in a dry place. Do not place the headset in damp places.
- Protect the headset from high temperatures and direct sunlight.
- Do not disassemble the headset.
- Do not drop the headset.

4.3.8 Technical Data

Battery Capacity:	200 mAh
Bluetooth Version:	5.3
Pairing Name:	“RCS Terra headphone“
Charging Time:	about 2 hours
Playing Time:	about 15 hours
Speaker Driver:	40 mm
Signal/Noise Ratio:	>90 dB
Frequency Range:	20 Hz – 20 kHz
Operation Range:	ca. 10 m

Attention:

To avoid hearing damage, limit the time you use the headphones at high volume and set the volume to a safe level. The louder the volume, the shorter the safe listening time is.

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