

Figure 1: View of top / side / front

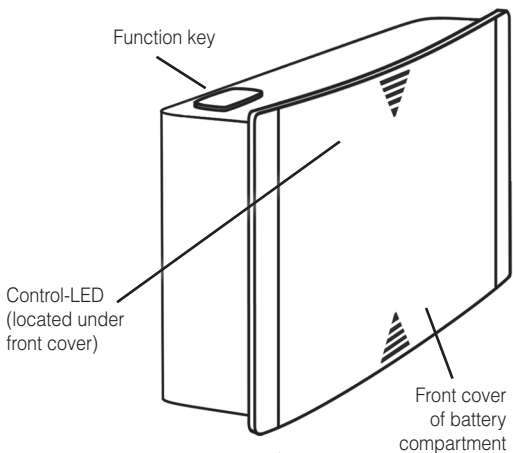
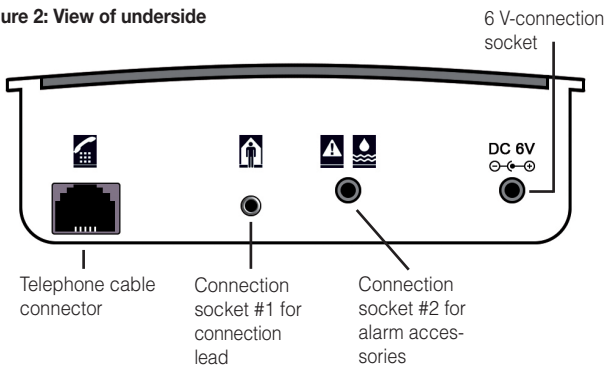


Figure 2: View of underside



We would like to congratulate you on purchasing a »signolux«. You have chosen a modern and reliable system. Kindly read the user manual carefully in order to start using the device properly and to familiarise yourself with all the possibilities of the system.

Standard delivery scope

Kindly check if all following parts are included:

- »signolux« receiver
- Wall mount
- 2 screws for the »signolux« receiver
- 2 wall dowels
- Operating manual
- Warranty card

Should any parts be missing, kindly contact your specialist dealer or the manufacturer directly.

Functioning principle

A »signolux« light signal system consists of at least one transmitter (e.g. doorbell pushbutton) and a »signolux« receiver. Up to 8 transmitters can be integrated.

If e.g. the doorbell pushbutton is pressed, a radio signal (radio impulses with 868 MHz) are transmitted to the »signolux« receiver. This one signals the received signals acoustically and visually with sounds and light signals.



Safety instructions

- Prior to putting the device into operation and using it, kindly read this manual thoroughly and in full.
- Store this operating manual in a safe place so that it is also accessible for other users at any time.

- When using power tools always follow the instructions of the manufacturer and wear suitable protective equipment (e.g. protective goggles).
- Kindly check before starting to drill if there are any hidden electric cables and water pipes in the walls. In case of doubt we recommend using a cable detector.

Commissioning

1. Inserting the batteries into the »signolux« receiver

- a) At the rear side there is a battery compartment the cover of which can carefully be pushed downwards so that the compartment opens (fig. 1).

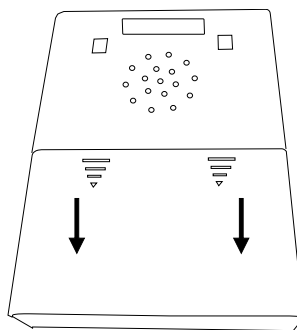


Figure 1: Battery compartment of the »signolux« receiver

- b) Now insert 4 alkaline batteries type LR14 (also called C batteries, not included in the delivery scope). Ensure correct polarity of the batteries.
- c) Close again the battery cover by carefully inserting the cover and pushing it upwards.

Setting and programming

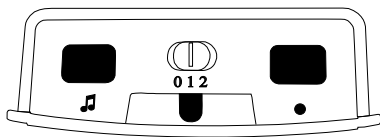


Figure 2: »signolux« top side

2. Setting the signal mode

Using the signal mode slide switch (in fig. 2 “0 1 2”) you can select the signal mode. Kindly keep in mind that the symbols are always displayed with coloured light diodes.

- switch to position 0:
signal tone, no flash,
- switch to position 1:
signal tones and flash
- switch to position 2:
no signal tones, flash only

3. Setting the volume

The front side of the »signolux« is protected by a screen that can be pushed upwards after loosening the lock on the top side of the »signolux«. Behind it you will find the rotating volume control with which you can set the volume of the signal tone.


Safety guidelines:

Kindly select a lower volume to begin with and only then set the desired volume.

4. Setting the melody

You can adapt the melody for each symbol:

- First trigger a signal (e.g. operate doorbell pushbutton).
- The symbol assigned to the transmitter should illuminate and the previously chosen melody should be heard.
- Wait until the symbol flashes.

- Press the melody setting button  (fig. 2) until you have found the desired melody (you can choose from 15 melodies).
- Once the symbol ceases to flash, the selected melody has been assigned.

5. Meaning of the symbols



Figure 3: Symbols, control lamp and volume control

Each symbol is connected to a transmitter (e.g. doorbell pushbutton) and can be re-programmed at will.

The symbols stand for:

Doorbell 1	Colour: Green
Doorbell 2	Colour: Green
Telephone	Colour: Orange
Person call	Colour: Yellow
Baby	Colour: White
Fire alarm	Colour: Red
Flood alarm	Colour: Blue
Alarm	Colour: Red

6. Programming signals and assignment to the symbols

A transmitter (e.g. doorbell pushbutton) can be assigned to each symbol. This assignment can be adapted by programming. Kindly keep in mind that a transmitter can only be programmed if it is not yet known in the memory of the »signolux«. If required you first might have to delete the transmitter from the memory (see step 7.)

- Keep the key ● (fig. 2) pressed for some time. The symbols flash in sequence. Let go of the key as soon as you see the desired symbol.
- Trigger now the signal using your transmitter (e.g. operate the doorbell pushbutton).
- Wait for about 20 seconds and test the function.

7. Deleting transmitters from receiver memory

Do the following if you want to delete a transmitter from the memory:

- Keep the key ● (fig. 2) pressed for some time. The symbols flash in sequence. Let go of the key as soon as you see the desired symbol.
- Now press key ● and the melody setting button 🎵 (fig. 2), until all symbols briefly flash at the same time.

8. Battery level indication

The receiver informs about the state of the batteries of the receiver as well as the batteries of the transmitters:

- A sufficient battery level of the receiver is indicated by the red control lamp flashing every 5 to 6 seconds.
- A low battery level of the receiver is indicated by the red control lamp flashing in short sequence (once per second).

Please replace the receiver batteries as soon as possible.

- A low battery level of a transmitter is indicated by the red control lamp shining together with the symbol of the according transmitter when it's signal is triggered.

Please replace the batteries of the according transmitter as soon as possible.

Further functions

9. Checking the last signal, deleting the current signal

Shortly pressing the memory button ● (fig. 2) the last registered signal can be displayed again.

You can also “delete” a signal that was just activated by pressing this button.

10. AUX-jack and power connector

The »AUX«-jack and the connector for the »signolux« power adapter (Item number A-2690-0, available as accessory) can be found on the right side of the receiver.

All Humanteknik modules can be connected to the AUX-jack (vibrating pillow etc, available as accessories)

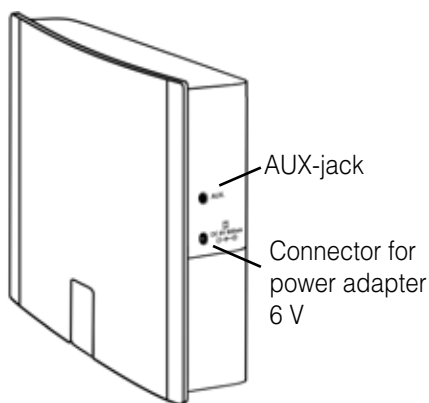


Figure 4: Lateral connectors

Mounting

Important note: Kindly keep in mind that metal parts and other building materials may interfere with the transmission of the radio signal. As they can be either visible or hidden at the desired mounting location you should always carry out a functional test at the mounting location before starting the mounting process, and, if required, choose a different mounting or installation location if the reception is not guaranteed.

11. Mounting the »signolux« receiver

The »signolux« receiver is suited either for free-standing installation or it can also be mounted using the supplied wall mount. To use it, fix the wall mount onto a wall (or rafter, cupboard etc.) When mounting onto a brick- or stone wall, you may need a power drill and stone bit to do so. Use the supplied wall plugs in this case. Once fixed, hang the »signolux« receiver onto the wall mount bracket.

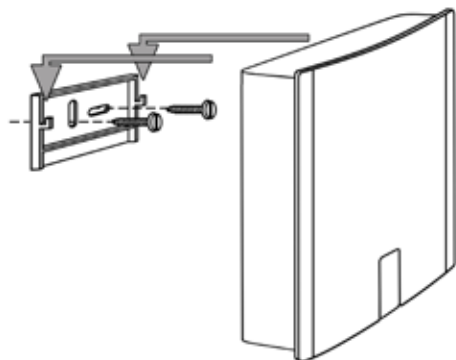


Figure 5: Wall mount

Troubleshooting and solutions

Symptoms	Cause	Solutions
There is a beep when programming...	The transmitter you are trying to programme is already known by »signolux«.	See step 7. First the transmitter has to be deleted from the memory, before it can be assigned to a new symbol.
There are two beeps after the normal ring tone...	This indicates a low battery in the according transmitter.	Insert a new battery in the transmitter.
The »signolux« receiver does not work...	Ensure that the batteries have been inserted correctly.	Ensure correct polarity of the batteries!
	Check if batteries type LR14 'C' have been inserted.	Use only alkaline batteries.
	It could be that the transmitter has not yet been programmed in the »signolux« receiver.	Programme it.
	It could be that the »signolux« receiver is out of reach of the transmitter.	Try using the transmitter or receiver at different location.
There is no ring tone...	switch position 2 (fig. 2)	Check the position of the switch (fig. 2) at the »signolux« receiver.
		Ensure that the volume is set to the lowest setting.
The flash light does not work...	switch position 0 (fig. 2)	Check the position of the switch (fig. 2) at the »signolux« receiver.

Symptoms	Cause	Solutions
The range is reduced...	Metal structures and other building materials can reduce the reach.	If possible do not mount the »signolux« transmitter or receiver near or at metal parts.
	Other devices may interfere with the radio signals, thus reducing the radio signals and the function of the »signolux« system.	
	Walls and ceilings reduce the range.	
	Low battery charge reduces the range.	Change the batteries every 12–18 months. In colder weather (below 5°C) you might have to change the batteries more frequently.

Maintenance and care

The »signalux« does not require any maintenance. If the unit does become dirty, simply wipe it clean with a soft, damp cloth. Never use spirits, thinners or other organic solvents. Do not set up the unit where it will be exposed to full sunlight for long periods. In addition, it must be protected against excessive heat, moisture and severe mechanical shocks.

Note: This product is **not** protected against splash water. Do not place any containers filled with water, such as flower vases, or anything with an open flame, such as a lit candle, on or near the product.

Please make sure that the batteries are not exposed to excessive heat from such as sunlight, fire or anything similar.

Warranty

The »signalux« is a very reliable product. Should a malfunction occur despite the unit having been set up and operated correctly, please contact your dealer or the manufacturer directly.

This warranty covers the repair of the product and returning it to you free of charge. It is essential that you send in the product in its original packaging, so do not throw the packaging away. The warranty does not apply to damage caused by incorrect handling or attempts to repair the unit by people not authorised to do so (destruction of the seal on the unit). Repairs will only be carried out under warranty if the completed warranty card is returned accompanied by a copy of the dealer's invoice/till receipt.

Always specify the product number in any event.



Disposal of used electric and electronic units (applicable in the countries of the European Union and other European countries with a separate collection system).

The symbol on the product or the packaging indicates that this product is not to be handled as ordinary household waste but has to be returned to a collecting point for the recycling of electric and electronic units. You protect the environment and health of your fellow men by the correct disposal of this products. Environment and health are endangered by a faulty disposal. Material recycling helps to reduce the consumption of raw material. You will receive further information on the recycling of this product from your local community, your communal disposal company or your local dealer.

Technical Data

Work range	0 to 40°C
Radio frequency	868 MHz
Sound volume	90 dB at 1 m
HF capacity	-
Battery	LR14
Battery service life (5 activations per day)	12 months
Power adapter	6 V/ 800 mA connection
Dimensions (HxWxD)	144 x 114 x 41 mm
Weight	296 g



This device complies to the following EC standards:

- 2011 / 65 / EC RoHS-Directive
- 2002 / 96 / EC WEEE-Directive
- 1999 / 5 / EC R&TTE-Directive

Compliance with the directives listed above is confirmed by the CE seal on the device. CE compliance declarations are available on the Internet at www.humanttechnik.com.

Technical specifications subject to change without prior notice.

Congratulations on purchasing your »Direct universal transmitter«. You have chosen a modern and reliable system. Please read these operating instructions thoroughly. They tell you how to set up the system correctly and explain all the system's features to you.

Checking the package contents

Please check if the following parts are included in the package:

- »Direct universal transmitter«
- 3 x battery type AAA
- Connection lead
- Wall mount
- User manual
- Warranty card

If any parts are missing, please immediately contact your dealer or the manufacturer directly.



Safety instructions

- Prior to putting the device into operation and using it, kindly read this manual thoroughly and in full.
- Store this operating manual in a safe place so that it is also accessible for other users at any time.
- When using power tools always follow the instructions of the manufacturer and wear suitable protective equipment (e.g. protective goggles).

- Kindly check before starting to drill if there are any hidden electric cables and water pipes in the walls. In case of doubt we recommend using a cable detector.

Functioning principle

The »Direct universal transmitter« picks up electrical signals by means of a directly connected cable and in consequence generates radio signals.

The radio signals are transmitted to all accordingly programmed »signolux«-receivers within range.

The receivers convert the radio signals into light-, vibration- or acoustic signals (depending on the type of receiver).

Setup

Inserting / replacing the batteries

To insert the 3 AAA-batteries, first remove the front cover in order to access the battery compartment:

- Push the front plastic cover upwards. A certain resistance, caused by the latching, has to be overcome. (Figure 3)

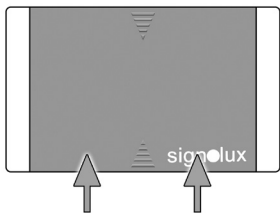


Figure 3

- The plastic cover can now be taken off, the battery compartment has become accessible.
- Insert the 3 AAA-batteries. Ensure the correct polarity of the batteries. (Figure 4)

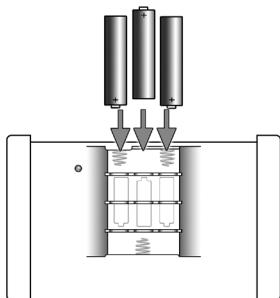


Figure 4

- Attach the plastic cover: Lay the cover onto the housing with approx 1 cm distance to the lower edge. (Figure 5)

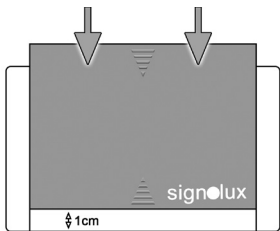


Figure 5

- Push the cover downwards until it clicks back onto the latching. The front cover is now in place again.

Registering the transmitter with the receivers

The »Direct universal transmitter« has to be registered with every »signalux«-receiver, which is later supposed to react to it. By doing so, the type of signalization is also defined.

To register the transmitter, press and hold the according receiver's function key. The receiver's event symbols light up in sequence.

Release the function key as soon as the desired symbol is lit up. Now press the function key of the »Direct universal transmitter«.

Wait for approx. 20 seconds and then test the setup by pressing the transmitter's function key. The receiver should now react, showing the according symbol.

Up to 6 transmitters can be assigned to a single symbol.

Setup for telephone signalling

Plug the end of the cable with the transparent clip-in connector (6-pin plug) into the socket on the underside of the »Direct universal transmitter«. Plug the other end into a vacant connector of the telephone socket.

Important:

Please only use the telephone cable supplied with the unit, otherwise proper function cannot be guaranteed.

The »Direct universal transmitter« is designed to be connected to an analog telephone system.

If your phone system is ISDN or part of a PBX (exchange) system, use the »Acoustic universal transmitter« instead.

Register the transmitter with the according receivers. When setting, use the telephone symbol.

Picking up other signals

The »Direct universal transmitter« is able to detect various electrical signals. It then transmits a radio signal to all assigned »signolux«-receivers within reach.

Socket #1 reacts to input voltage of at least 3 volts and no more than 15 volts. It is possible to connect to either alternating or direct current voltage.

This allows the »Direct universal transmitter« to be connected to low-voltage systems, like e.g. doorbell circuits.

Proceed as follows:

Plug the connection lead into socket

#1 of the transmitter. Lay the lead to the according doorbell or -chime. Connect the two ends of the lead to the according contacts of the doorbell.

Register the transmitter with the according receivers. When setting, use a door / visitor symbol.

Very important:

The input is only designed for the connection to low-voltage circuits. The input voltage must not exceed 15 V!

Never connect the thin cable to the mains voltage (230 V \pm 10%).

If in doubt, seek the help of an electrician.

Otherwise: Risk of fatal injury and irreparable damage to the transmitter!

Connecting alarm accessories

Connection socket #2 is intended for the connection of alarm accessories having a closed-circuit contact. (A closed circuit triggers the alarm).

Therefore it is possible to connect the »Direct universal transmitter« with accessories like contact-floormats, window contacts as well as switched outputs of alarm systems.

Suitable alarm accessories:

- Alarm floor mat (A-2921-S)

Plug the cable of the alarm floor mat directly into socket #2 of the transmitter. Place the alarm floor mat under the door mat or carpet.

- Alarm button (A-2935-S)

Plug the cable of the alarm button directly into socket #2 of the transmitter.

The alarm signal is triggered whenever the button is pushed (e.g. by the occupant of a sick-bed).

- Water-alarm-sensor (A-2924-S)

Connect the water alarm sensor with socket #2 of the transmitter. It can be used for almost all liquids. Place the sensor with the supplied double-sided adhesive tape in such a way that the two contacts touch the floor. As soon as a liquid touches the contacts, the alarm is triggered.

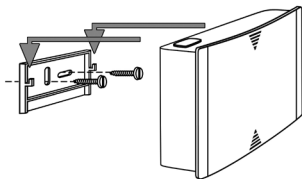
After connecting the desired accessory, register the transmitter with the according receivers. When setting, use a symbol matching the type of alarm.

Mounting the »signalux«-transmitter

Important note:

Kindly keep in mind that metal parts and other building materials may interfere with the transmission of the radio signal. As they can be either visible or hidden at the desired mounting location you should always carry out a functional test at the mounting location before starting the mounting process, and, if required, choose a different mounting or installation location if the reception is not guaranteed.

The »signalux«-transmitter can be mounted using the supplied wall mount. To use it, fix the wall mount onto a wall (or rafter, cupboard etc.) When mounting onto a brick- or stone wall, you may need a power drill and stone bit to do so. Use the supplied wall plugs in this case. Once fixed, hang the »signalux« transmitter onto the wall mount bracket.



Maintenance and care

The »Direct universal transmitter« does not require any maintenance. If the unit does become dirty, simply wipe it clean with a soft, damp cloth. Never use spirits, thinners or other organic solvents.

Do not set up the unit where it will be exposed to full sunlight for long periods. In addition it must be protected against excessive heat, moisture and severe mechanical shock.

Note: This product is **not** protected against splash water. Do not place any containers filled with water, such as flower vases, or anything with an open flame, such as a lit candle, on or near the product.

Warranty

The »Direct universal transmitter« is a very reliable product. Should a malfunction occur despite the unit having been set up and operated correctly, please contact your dealer or the manufacturer directly.

This warranty covers the repair of the product and returning it to you free of charge. It is essential that you send in the product in its original packaging, so do not throw the packaging away. The warranty does not apply to damage caused by incorrect handling or attempts to repair the unit by people not authorised to do so (destruction of the seal on the unit).

Repairs will only be carried out under

warranty if the completed warranty card is returned accompanied by a copy of the dealer's invoice/till receipt.

Always specify the product number in any event.



Disposal of used electrical and electronic units (applicable in the countries of the European Union and other European countries with a separate collection system). The symbol on the product or the packaging indicates that this product is not to be handled as ordinary household waste but has to be returned to a collecting point for the recycling of electrical and electronic units. You protect the environment and health of your fellow man by the correct disposal of this product.

Environment and health are endangered by incorrect disposal. Material recycling helps to reduce the consumption of raw material. You will receive further information on the recycling of products from your local community, your communal disposal company or your local dealer.

Technical data

Power supply:	3x size AAA batteries at 1,5 V or 230 V, 50 Hz; 6V DC 1000mA (accessory)
Height:	75 mm
Width:	122 mm
Depth:	38 mm
Weight:	128 g (without batteries)
Stand-by:	Up to 1 - 2 years, at 5 signals per day, depending upon the type and quality of battery used.



This device satisfies the following EU directives:

- 2011 / 65 / EC RoHS-directive
- 2002 / 96 / EC WEEE-directive
- 1999 / 5 / EC R&TTE-directive

Compliance with the directives listed above is confirmed by the CE seal on the device. CE compliance declarations are available on the Internet at www.humantechnik.com/service.

Technical specifications subject to change without prior notice.

Figure 1 : Vue du haut, côté, face

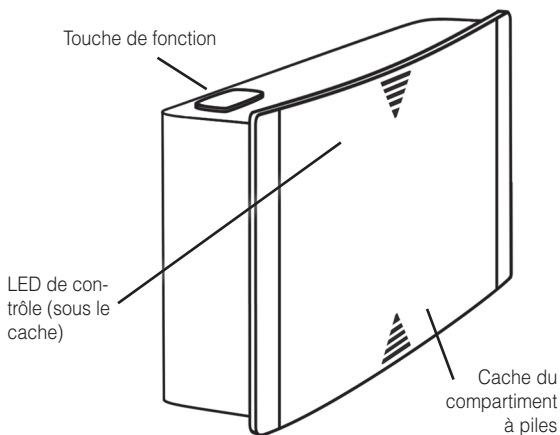


Figure 2 : Vue de dessous

