

TechniSat®

Operating manual

SkyFunk 3



2,4 GHz wireless transmission system

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European regulations:

TechniSat hereby declares that the product SkyFunk 3 is in accordance with the basic requirements as well as all other relevant regulations of Guideline 1999/5/EG.

In accordance with this guideline, the product may be operated in the following countries

The complete original Declaration of Conformity can be found in the Internet at the following address:

D	✓	A	✓
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<http://www.technisat.de/konformitaet/skyfunk3.pdf>

1 Safety advice

For your own protection, you should read the safety precautions carefully before operating your new unit for the first time.

The manufacturer accepts no liability for damage or injuries caused by inappropriate handling of the product, or by non-compliance with the safety precautions.

- > Do not open the housing of the unit, under any circumstances. You are in danger of receiving an electrical shock. If it ever becomes necessary to open the unit, this should be carried out only by trained personnel.

In the following cases you should disconnect the unit from the mains power supply, and contact a qualified expert for assistance:

- > the mains cable or plug are damaged
- > the unit was exposed to extreme humidity, or water has entered it
- > in case of severe malfunctions
- > in case of significant exterior damage.

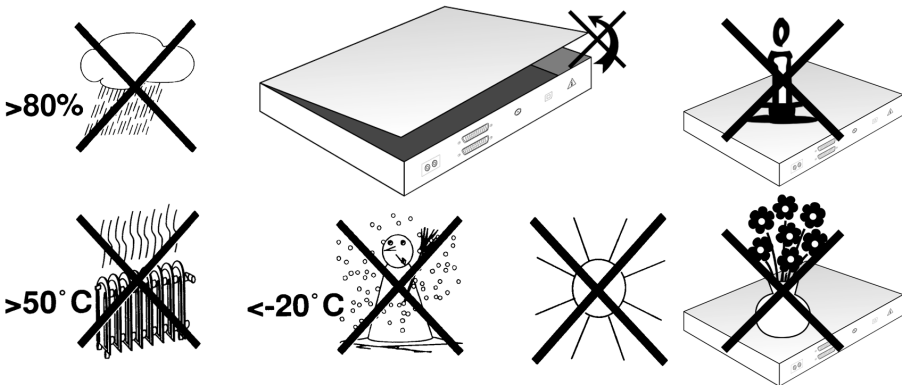
When not in operation:

During an electrical storm, or when it is not being operated for an extended period of time, the unit should be disconnected from the mains power supply.

Before operating your unit for the first time, please check that you have received all the components!!!

The following components are supplied as standard:

- 1 SkyFunk 3 transmitter
- 1 SkyFunk 3 receiver
- 1 adapter cable Mini DIN <---> Scart + IR extension (transmitter)
- 1 adapter cable MiniDIN <---> Scart (receiver)
- 2 mains power adapter units
- 1 guarantee card
- 1 Operating manual



2 General

The SkyFunk 3 system serves to transmit video and stereo audio signals by wireless means. To achieve this, the video/audio signal from a source (e.g. a satellite receiver or video recorder) is transmitted by the SkyFunk transmitter, which is located, for example, in your living room, to the SkyFunk receiver, which might be located in your study or bedroom. The receiver converts the signals back to normal video/audio signals, which can be displayed on a television screen, using a Scart connection. If your television set is not equipped with a Scart socket, you can use an external modulator, which is available through specialist retailers. This will allow you to receive the signal via the antenna input socket of your television set.

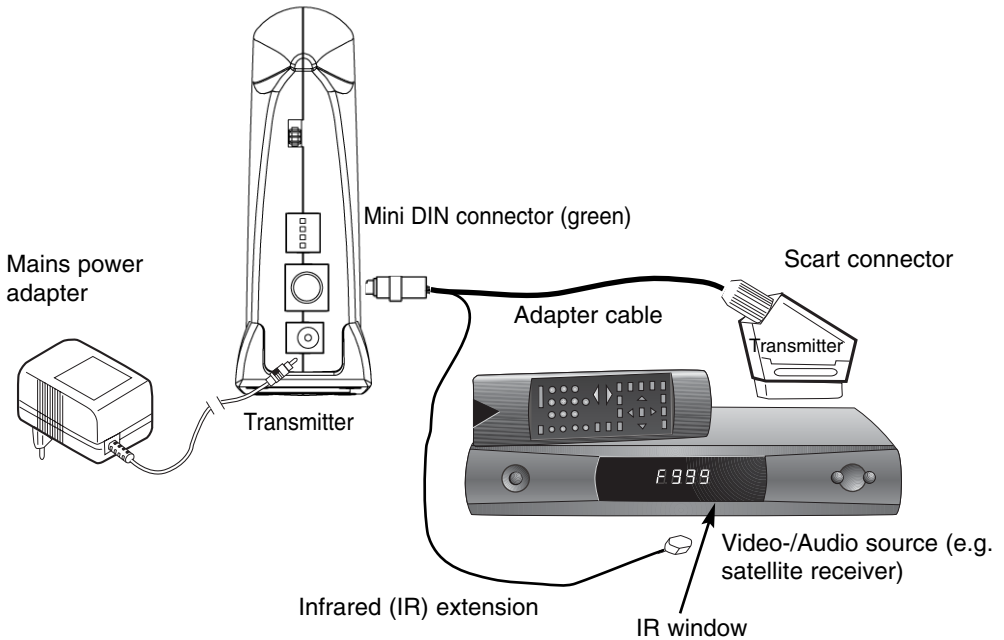
In the same manner, control signals of the existing remote control at the receiving end (e.g. the study) are transmitted to the signal source, thus allowing you to operate remotely the appliance connected at the signal source (i.e. a satellite receiver or video recorder located in the living room).

Four channels are available for the transmission of audio and video signals. These can be selected by means of DIP switches located on the SkyFunk 3 units.

Please note that the transmitter and receiver units must be operated on the same channel (channels 1-4).

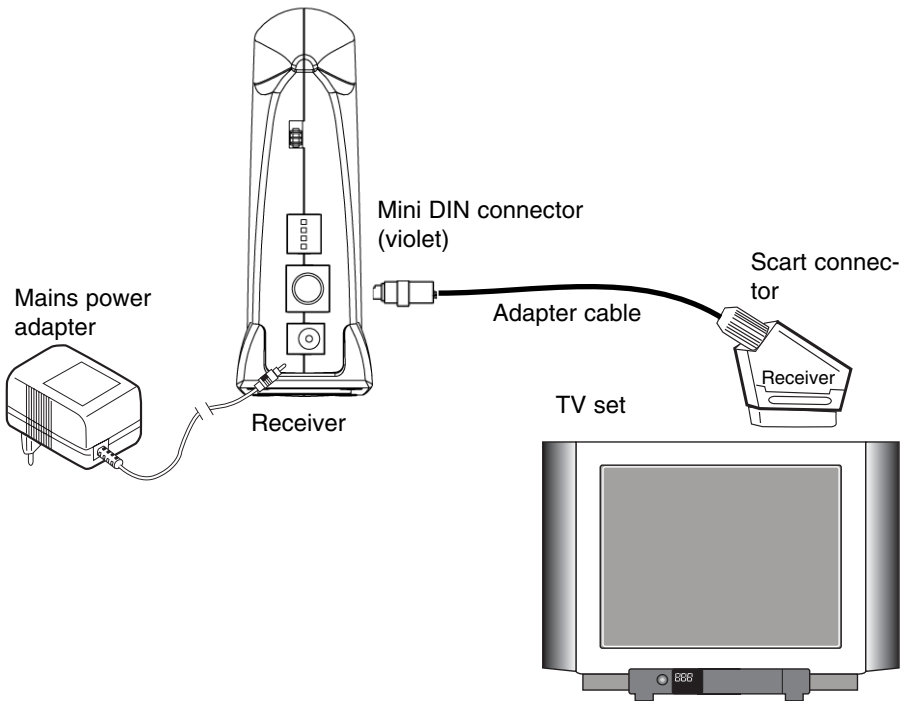
3 Connecting the SkyFunk 3 system

Connecting the SkyFunk transmitter



- > Connect the mini DIN connector (green) of the adapter cable supplied, carrying the inscription **Transmitter** to the SkyFunk 3 **Transmitter**.
- > The IR-extension should be placed in such a way that there is a line of sight to the IR window (usually located on the display of a unit) of the video source. This is essential to ensure transmission of the remote control command signals.
- > When you have made the connection as described above, connect the mains power adapter supplied to the socket **DC 9V** of the SkyFunk **transmitter**
- > Connect the Scart connector of the adapter cable marked **transmitter** with the Scart socket of the video source from which you wish to transmit the signals.

Connecting the SkyFunk receiver



- > Connect the Mini DIN connector (violet) of the adapter cable supplied, labelled **Receiver** with the SkyFunk 3 **receiver**.
- > The SkyFunk receiver should be positioned in such a way that the red IR window has an unobstructed line of sight to the remote control unit. This is essential to ensure the remote control command signals are transmitted.
- > When you have made the connection described above, connect the mains power adapter supplied with the socket **DC 9V** of the SkyFunk 3 **receiver**.
- > Connect the Scart connector of the adapter cable labelled **receiver** with the Scart socket of your television set. You can now receive and view the signals received via the SkyFunk receiver on the programme slot AV.

4 Setting up the units

4.1 General

Please note the following when setting up the units:

- > If possible, the units should be positioned 1-2 metres above the ground/floor
- > To avoid the units being damaged in a fall to the floor, they should always be positioned on a level surface.
- > There should preferably be as few obstructions (e.g. electrical appliances) as possible located between the transmitter and receiver units.
- > Make certain that both units (transmitter and receiver) are set to the same channel (DIP switch on the rear panel of the units).

4.2 Transmitter

When you have made the connections as described in chapter 3, position the transmitter unit close to the satellite receiver or video recorder from which you wish to transmit the signal, and position it so that the IR extension has a direct line of sight to the IR window of the signal source.

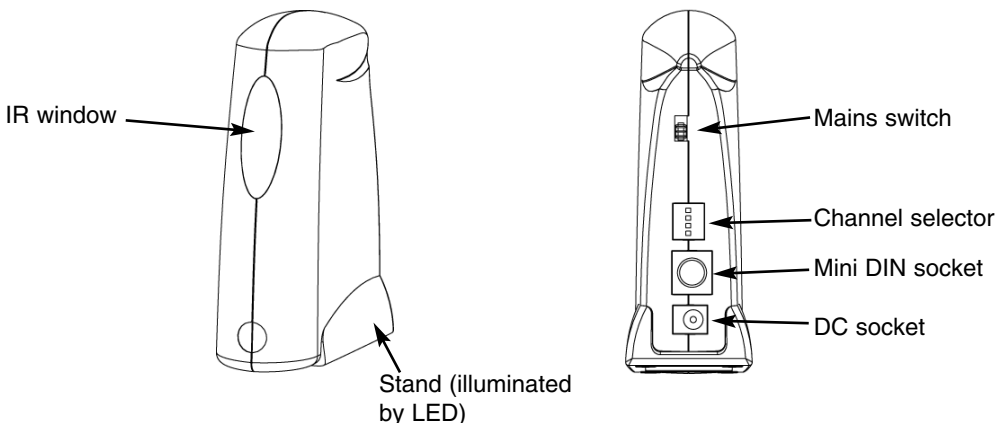
4.3 Receiver

When you have made the connections as described in chapter 3, position the receiver close to the television set, and position it so that there is a direct line of sight from the position from which you wish to operate the signal source to the red IR window.

4.4 Positioning the units

In order to achieve an optimum transmitting and receiving quality, both units are equipped with directional antennae. To optimise the transmission quality, it may be necessary to alter the position of the units, specifically in relation to each other.

Should reception still not be satisfactory, please check whether the reception is better on an alternative channel.



5 Operation

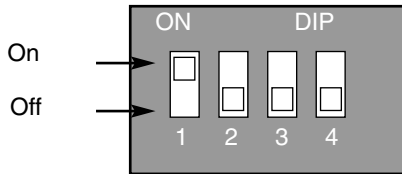
When you have worked through all the points, your SkyFunk 3 is ready for operation.

- > Switch on both units by means of the **mains power switches**.

5.1 Setting the transmitter and receiver channels

To change the transmitter resp. receiver channel, select the desired channel on both units (transmitter and receiver). The switches for **channel selection** are located on the rear panel of the units. To select, e.g., channel 1, use an object with a small tip (ball-point pen, small screwdriver, etc.) to move the switch for channel 1 to the "On" position, as shown in the diagram. The other switches should be left in the "Off" position. Use the same procedure to select any other channel.

Please ensure that the transmitter and receiver units must always be set to the same channel, i.e. the same switch position.



5.2 Automatic channel changes

You have the facility of receiving several different signals with a single receiver unit (maximum of 4 channels). When using this option, the signal of each transmitter will be displayed for approx. 5 seconds. The receiver will then automatically go on to the next receiver channel selected, and will display its signal for approx. 5 seconds. This procedure will be repeated continuously.

To select the automatic channel changing option, proceed as follows:

- > As described in point 5.1, select a different transmission channel on each of the transmitter units.
- > On the receiver unit, set all the channel selector switches to "On", for those channels on which there will be signal transmissions. All the selected channels will now be displayed automatically, one after the other.

Your product carries the CE mark, and complies with all relevant EU standards.

Subject to change. Not responsible for printing errors. Correct as at 09/03

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6 Trouble-shooting guide

Problem	Possible cause
No picture, no sound	<ul style="list-style-type: none"> > Mains switch or receiver and/or transmitter not switched on > Cable connections faulty > Receiver and transmitter set to different channels
Interference in transmission of picture and sound	<ul style="list-style-type: none"> > Antennae of the system not aligned optimally > Interference on the channel selected. Remedy: select different transmission channel. > Proximity to a microwave oven that is in operation, causing interference. > Distance between transmitter and receiver too great.
Transmission of remote control signals not working	<ul style="list-style-type: none"> > Faulty cable connection > No line of sight between IR remote control and receiver, resp. between IR transmitter and signal source.
Transmission interrupted periodically	<ul style="list-style-type: none"> > Several receiver channels set, this leads to an automatic alternation between receiving channels.

7 Technical data

Transmitter	
Output level	10 dBm
Transm. frequency Modulation	2,4 bis 2,4835 GHz FM (Video u. Audio)
Level Video in Audio in	1Vss 1Vss
Impedance Video in Audio in	75 Ohm 600 Ohm
Power supply Dimensions Weight	9V DC 90mA 102 x 41 x 115mm 130g

Receiver	
Video level Audio level	1Vss 1Vss
Sensitivity	-85 dBm
Transmission frequency of remote control signals	434 MHz
IPower supply Dimensions Weight	9V DC 90mA 102 x 41 x 115mm 130g

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