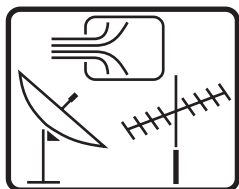


# OPERATING INSTRUCTIONS

## MIK 9-S

Mini Info Channel – self starting



# SAT-Kabel®

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Thank you for buying of a product of the company SAT-Kabel®.

This operating instruction shall explain you the function of the device and shall make easy the use. If you have questions or proposals for improvements, please contact us.

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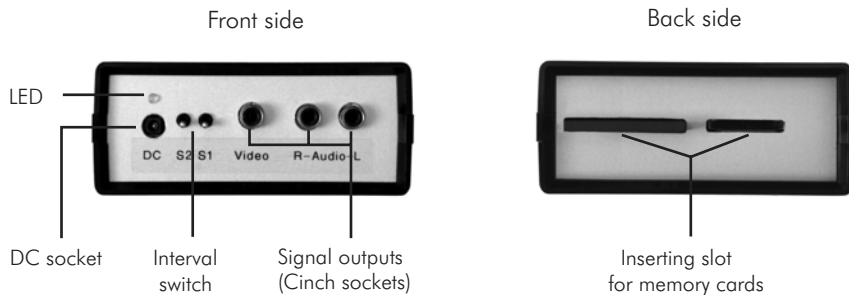
## Scope of Delivery

- 1 MIK 9-S, Basic equipment with wall fastening rail
- 1 Plug-on power supply 5 V DC/2 A
- 1 Audio/video cable
- 1 Memory card (with example files)
- 1 Operating instructions

## Product specification

- Simultaneously playback of picture and tone files as slide show in a format 16:9
- Supported file format:  
JPEG, MP3
- connections:  
video (composite) und audio (stereo)  
Power supply
- Suitable memory cards  
CF, SD, MMC
- Special features
- self start after power blackout or system crash

## Controls



## Necessary items

- For playback at least a TV set with A/V input (RCA)  
For playback in an antenna system a suitable modulator with A/V input
- For creating of the contents and storage on a memory card a PC with card reader and a suitable software for creating and processing of the desired information

### For attention!

**With the MIK 5S it is not possible to write data on the memory card. Please pay attention at the playback of picture and sound material to the current legislation, especially to the copyright.**

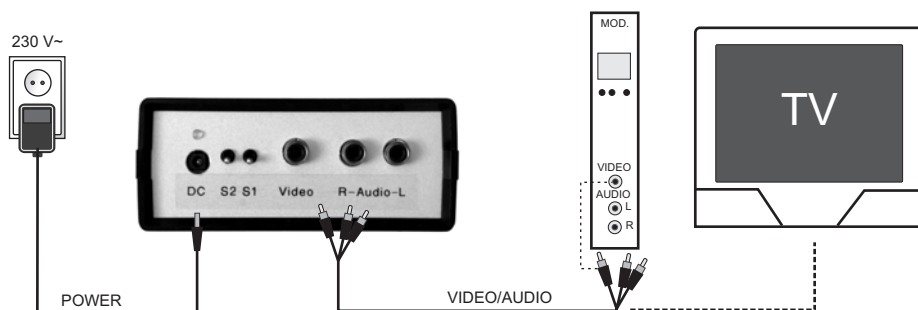
## Installation of the MIK 9-S

- Connect the MIK 9-S by means of an audio/video cable with the modulator or with a TV set for checking. If another audio source is used, connect it to the audio inputs of the modulator  
yellow = video   white = audio left   red = audio right

- Switch on the monitoring TV set – at antenna system the modulator.
- Insert the CF card into the card slot (please don't use force).

**Never insert the memory card with force into the card slot  
If you cannot insert the memory card without force, may be, it is wrong inserted.**

- Set the desired interval time with the toggle switches.  
(See also: interval setting)
- Connect the power cable to the POWER socket of the MIK 9-S.  
The MIK 9-S is now ready for use.
- Put the power supply of MIK 9-S into the power socket. The LED shines yellow and the instrument starts automatically. After ca. 30 s the video signal will be added and the LED shines green. The sending activity begins. Naturally on the memory card must be pictures in JPG format.
- If the LED shines or flashes red or the MIK 9-S don't work after ca. 30 s, disconnect the power supply from the power socket and repeat the procedure after a few minutes. If nevertheless the instrument don't work, read the text in item LED display.



## Self initialization

The special feature of this device is the automatic self start after a mains blackout.

The self initialization starts new after a mains blackout or a system crash. If the first start fails (LED red), two further starts are activated. At false start the device activates after a time of five minutes three further trials. A direct new start (cold start) of the MIK 9-S is only possible by disconnecting of the power supply and with it the break of the mains power. (see also: LED display)

## Interval settings

The setting of the interval time for the picture change is made by the both switches on the front side of the device. This should be made before the starting up. If the switches are adjusted during the operation, after maximum ten seconds the device starts new.

Switch setting



(11) = 60 seconds



(10) = 30 seconds



(01) = 10 seconds



(00) = 5 seconds



## LED display

Die LED shows the operating condition of the MIK 9-S.

LED off

device switched out, no power supply

LED yellow

device starts (duration ca. 30 s)

LED green

device is in operation

LED green / flashes shortly yellow

device is in operation, however it is new started because of an error (fault report)

This display is set back to normal condition after ca. 1 hour, if no further fault occurs. (LED green)

LED red or flashes red

Fault!

No data are read from the memory card.

It has been carried out three new starts without result.

Possible causes:

> no or not readable data on the memory card

> wrong or defective memory card

> installed player is defective

If after several trials the MIK 9-S don't work or it is defective, please get in touch with us.

## Other feature

- Pictures are automatically converted to a wide screen format
- Picture are automatically scaled down (also large digital photos with e. g. 7 megapixel are read and displayed)
- Picture and music files are alphabetically assorted and played back (see: storage of the pictures)
- The TV output standard is PAL

## Creating of picture

For creating and storage of the suitable data on the memory card a separate computer with a suitable software is necessary. Computer and software knowledge are assumed. Normally a graphic and/or picture processing program is used. A few of it are also available as freeware or open-source-software. A program is suitable, if a creation of pictures in a format JPG is possible. The colour depth should be 24 bit (16,7 mill. colours). For dimensions of the picture in pixel is tested:

|                  |                       |
|------------------|-----------------------|
| for format 4:3:  | 720 × 656 (768 × 700) |
| for format 16:9: | 720 × 492 (768 × 525) |

Example for a display in format 4:3:

A picture or a graphic in format 4:3 can be made according e. g. 640 × 480, 800 × 600 or 1024 × 768 [pixel]. If the picture is finished, it is to convert to 720 × 656 [pixel]. The proportion of the picture don't now comply with the original format, but it is displayed by the MIK 9-S over the whole screen.

## Storage of the pictures

Start a new folder on the hard disk of the computer to store the created pictures. Never don't overwrite the original files (especially pictures) during the processing. Because a JPG is a compacted format, a repeated storage with overwriting causes a loss of the quality or to a total loss of the picture! Another reason for a separate folder is the arrangement of the sequence at the playback. The MIK 9-S plays back the created files in alphabetical order. So it is possible to realize a corresponding order.

A simple example shall it display (keep attention to "pre nulls"):

example 1

picture0001.jpg  
picture0002.jpg  
picture0003.jpg  
...  
picture0202.jpg  
picture0203.jpg  
etc.

example 2

bathing.jpg  
flying.jpg  
summer.jpg  
...  
sport.jpg  
winter.jpg  
etc.

example 3

picture1.jpg  
picture2.jpg  
picture202.jpg  
...  
picture203.jpg  
picture3.jpg  
etc.

Keep attention to the changed sequence in example 3 by the notation without nulls.  
The same takes place at all other data formats too.

Now insert the memory card of the MIK 9-S into the corresponding card slot of the computer. A new disk drive is seen. The created files you have to copy to this disk drive without to start a folder – thus into the so called root directory.

## Cleaning and maintenance

The surface of the housing can be cleaned with a dry, soft and lintfree cloth. Do not use aggressive solvents for the cleaning.

## Final remark

We wish you a lot of success with this possibility, with low cost to distribute information for a specific group of people over a antenna system. For requirements and ideas, to be beyond the scope of this small info channel grasp, we naturally have professional systems.

When faults or problems occur with the device, please get in contact with our staff. We will definitely find a solution. Even questions for picture processing and creation of graphics can be answered. Also the making of pictures/ slide show we can assume for you.

This operating instruction has been drawn up to the best of our knowledge. Errors, technical amendmends and developments are subject to change without notice!

Updated operating instructions in PDF form can be also downloaded from our internet homepage. ([www.sat-kabel.de](http://www.sat-kabel.de))

## Guarantee

*State July 2006*

For this instrument will be granted a service life (in following called guarantee) to following conditions:

- This guarantee is valid for new instruments purchased in Germany.
- New instruments and their components, which are defective because of production faults and/or material faults, are repaired or are replaced from SAT-Kabel® against a corresponding instrument.
- For wear parts, like accumulators, keyboards, housings, bags, connecting cables this guarantee is valid for 6 month from the purchasing date.
- The guarantee claim expires at matings by the purchaser or third persons.
- At defects, caused by improper handling or operating, by wrong installation or store, by improper connection or mounting, no guarantee is granted.
- For not justified demand of our service we charge for our service the usual payment for material, working hours and forwarding costs.
- Repairs are only made with filled service covering.

(Forms for service coverings and further information are found in the standard form contracts under: [www.sat-kabel.de](http://www.sat-kabel.de) )

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