

VISATEC

Radio Frequency System (RFS)

Operating instructions

V I S A T E C Radio Frequency System (RFS)

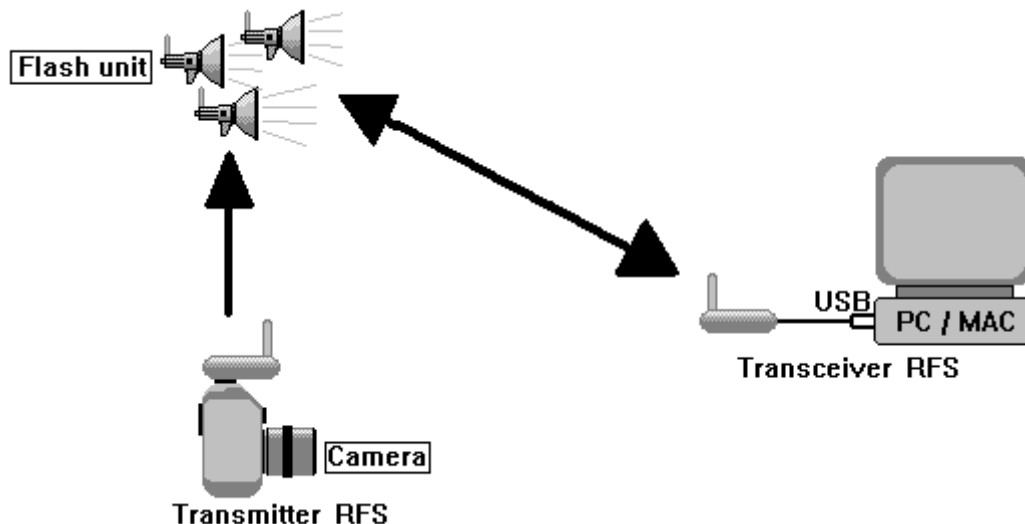
Before use

We are very pleased you have chosen a VISATEC Radio Frequency System RFS unit which is a high-quality product in every respect. If used properly, it will render you many years of good service. Please read the information contained in these operating instructions carefully. They contain important details on the use, safety and maintenance of the appliance. Keep these operating instructions in a safe place and pass them on to further users if necessary.

With the VISATEC Radio Frequency System you can trigger, and operate by remote control VISATEC units which are equipped with an integrated RFS interface. The RFS units should be used only for professional shooting and should be operated exclusively by trained staff.

1. Radio Frequency System (RFS)

The radio frequency system VISATEC RFS consists of the following elements:



1.1 Flash unit

VISATEC power packs or compact units with integrated RFS interface. For remote control, respectively flash triggering of the unit by radio from the transmitter RFS or transceiver RFS from a PC or Macintosh computer. For on-screen control, up to four lighting situations can be stored in memory. Each RFS unit is assigned with an individual unit address and a studio workstation (remote control channel) for the purpose of remote control, respectively flash triggering via radio. Due to the digitally coded channels it is possible to shoot in the same room from several workstations independently, without any interference between the flash units.

Attention: Although this radio frequency system offers the choice between 10 different radio channels, the number of effectively available channels depends on the connected RFS flash unit.

You will find more instructions in the operating manual of the corresponding flash unit.

1.2 Transmitter RFS

Radio transmitter with 10 digitally coded channels for wireless triggering of VISATEC flash units with an integrated RFS interface. It is contained in a plastic housing and has a fixation base for the camera's hot shoe and a sync cable. Synchronization of the flash takes place via the accessory shoe or the sync connector of the camera. The operational distance for power packs outdoors is up to 50 m; in closed rooms up to 30 m, compact units up to 30 m / 20 m. Each data command is shown by the green LED. The radio transmitter is provided with a lithium button cell (approx. 5-year service life) and is permanently operational.

Regulation of power

The transmitter has a test button to trigger the flash as well as two buttons for power regulation of all RFS flash units of the selected workstations. A short press of the buttons energy regulation buttons "up/down" changes the settings by 1/10 f-stop, a long press by 1/1 f-stop.

Technical data

Number of channels:	10
Operational distance outdoors:	up to 30 m / 50 m
Operational distance in closed rooms:	up to 20 m / 30 m
Range:	up to 300 m
Dimensions (L x B x H):	71,5 x 47 x 56,5 mm (incl. antenna and base plate)

Technical data (continued)

Weight:	55 g
Trigger sequence per s:	10
Power supply:	Button cell Li-Mn CR2450, 560mAh, 3V

1.3 Transceiver RFS

Radio transceiver with 256 digitally coded channels for wireless remote control and flash triggering of the VISATEC RFS flash units from a PC or Macintosh computer. The effective number of available channels depends on the connected flash unit. The transceiver is contained in a plastic housing and has an USB connection cable as well as a sync cable. A base plate is mounted underneath the housing. The computer supplies the unit with power. Therefore there is no need for an additional energy source. The system software is supplied on a data carrier.

The transceiver allows the operation of all unit functions from a PC or Macintosh computer, however the operating controls remain active on the unit front plate. The actual control condition is shown on the computer.

Flash triggering for shooting must take place directly from the camera. With digital camera systems which have a sync connector at the PC or Macintosh computer, flash synchronization can be effected directly via the sync jack on the transceiver RFS; that means there is no need for a separate RFS camera transmitter. The operational distance for power packs outdoors is up to 50 m; in closed rooms up to 30 m, for compact units up to 30 m / 20 m. Each communication between transceiver and flash unit is indicated by the green LED.

Regulation of power

The transceiver has a test button to trigger the flash as well as two buttons for power regulation of all operated RFS flash units. A short press of the energy regulation buttons "up/down" changes the settings by 1/10 f-stop, a long press by 1/1 f-stop.

Technical data

Number of channels	256
Operational distance outdoors:	up to 30 m / 50 m
Operational distance in closed rooms:	up to 20 m / 30 m
Range:	up to 300 m
Dimensions (L x B x H):	80 x 55,5 x 51,5 mm (incl. antenna and base plate)

Technical data (continued)

Weight:	105 g
Trigger sequence per s:	10
Power supply:	from computer

1.4 Requirements for the environment

Apple Macintosh

With operating system OS 8.6, advisable 9.1 or higher, OS X;
USB-port, memory capacity approx. 5 MB

PC

With operating system Microsoft Windows 98 / WinMe / Win2000 / Windows XP;
USB-port, memory capacity approx. 5 MB

2. Startup

2.1 Transmitter RFS

Scope of delivery: 1 transmitter RFS, 1 button cell Li-Mn, and 1 sync cable.

- 1.) Select the desired studio workstation with the rotary switch at the underside of the transmitter. This number must correspond with the selected studio number of all flash units on this workstation.
- 2.) Slide the transmitter RFS on the camera shoe and, if necessary, connect the delivered sync cable.

2.2 Transceiver RFS

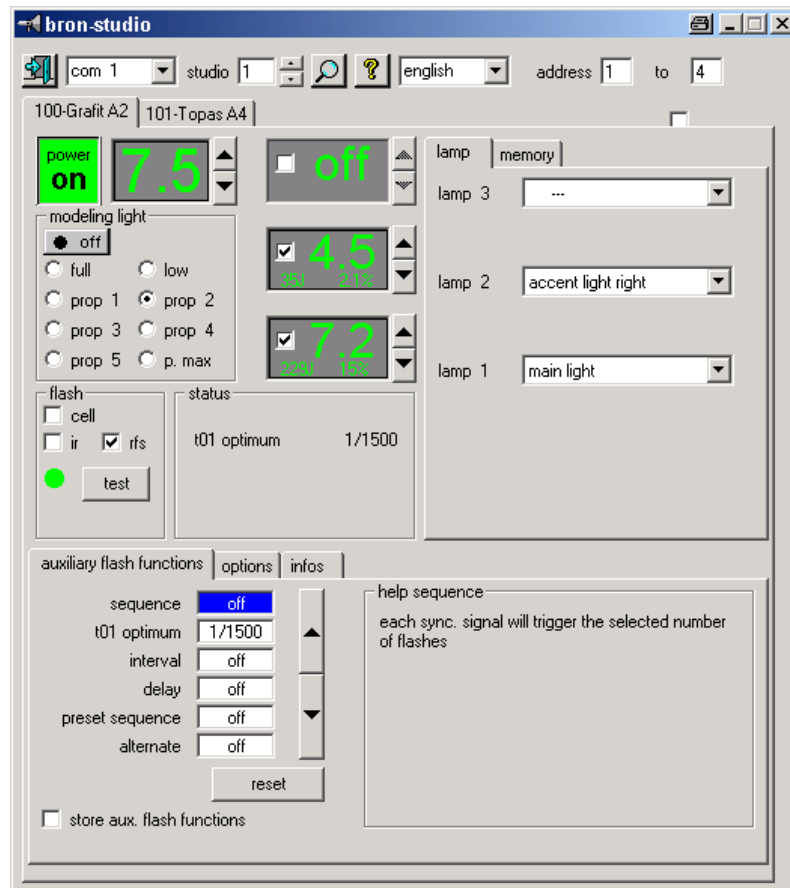
Scope of delivery: 1 transceiver, 1 USB connection cable, 1 sync cable and 1 software data carrier. The data carrier includes 4 data files:

- Software driver for RFS (RFS-driver)
- Software WindowsStudio for PC/Windows
- Software macStudioOSX for Macintosh OS X
- Software macStudioClassic for Macintosh OS 8 and 9

In comparison to the versions PC/Windows and Macintosh Classic, the Macintosh software OS X is irreversible.

Installation

- a) Insert data carrier with the VISATEC software in the computer drive
- b) Connect the USB connection cable to the USB-port of the computer
- c) Install the USB driver from the data carrier in the computer
- d) Open data file of the corresponding operating system (Windows or Macintosh OS). Move files *"BronStudio"* and *"BronStudio.xrc"* onto the desktop. Both files must always be stored at the same place so that the software is operational.
- e) Open file *"BronStudio"* and select the corresponding USB-port (for example COM 3).
- f) Synchronize the address of the flash unit with the *"BronStudio"* software. The same studio channel must be set on all used flash units (for example studio "5") and each unit must be programmed with an individual unit address (1,2,3) (see operating manual of the flash unit).



Standard

EC-standards 73/23, 89/336 und 99/5

ERM EN 300 220-1,-3

EMC EN 301 489-1,-3

EN 60950

EN 50371

FCC Part 15

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference and

(2) This device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Subject to change in the interest of product enhancement.

CE

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