User Manual for the Hensel Remote Control System "Flash Link"

Application

"Flash Link" is a wireless remote control and flash triggering system for specially prepared Hensel power packs. At present only TRIA 3000 AS power packs support this mode, other power packs are in preparation.

"Flash Link" is a bi-directional radio system. Each module represents a receiver as well as a transmitter (Transceiver). The modules are identical (code 3910).

By switching the channel you can create three different working groups, which do not influence each other. The working groups are defined by different colours of the LED of the RF module.

The system works on the radio frequencies.
For operation at least 2 identical radio modules as well as Control Software on PC basis are required. The MAC version is in preparation.
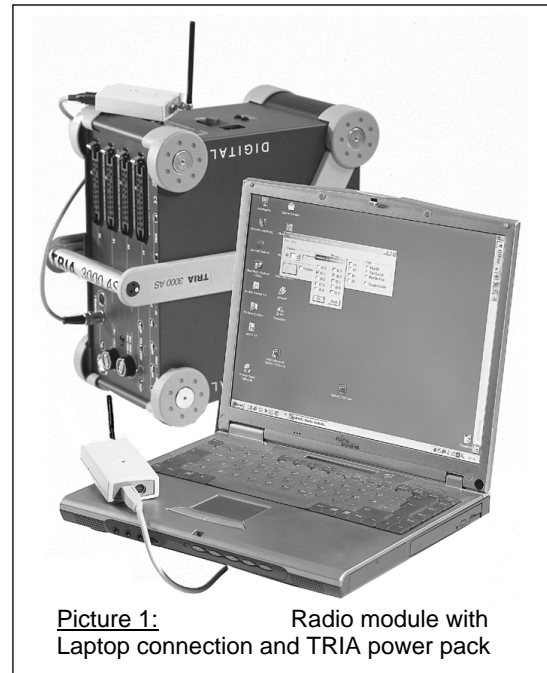
Picture 1:   Radio module with
Laptop connection and TRIA power pack

Connection and Starting up

The radio module is to be connected to the PC using the USB interface socket. The provided standard USB cable (code 3912) is to be used. A second radio module is to be connected to the interface socket No. 2 of the TRIA 3000 AS power pack using the provided dedicated cable (code 3913) from HENSEL Studiotechnik.

The radio modules are equipped with a fixed antenna. Remove of the antenna is strictly prohibited. In the event of a broken or damaged antenna, the unit must not be operated any more and immediately sent to an authorized customer service.

For controlling of more than one TRIA further power packs can be chained up using the HENSEL TRIA connecting cable code 3914. This cable has to be plugged form Interface socket No. 1 to socket No. 2 of the next TRIA and so on. In this way, up to 10 TRIAs per channel can be connected to each other and radio-controlled. Alternatively it is also possible to equip each TRIA power pack with its own radio module. This option will be chosen, if the TRIAs cannot be placed close together.

The Software "Light Control" (code 3911) in the current version is to be copied into a Windows directory and started by a double-click. The file size is only approx. 100 KB.
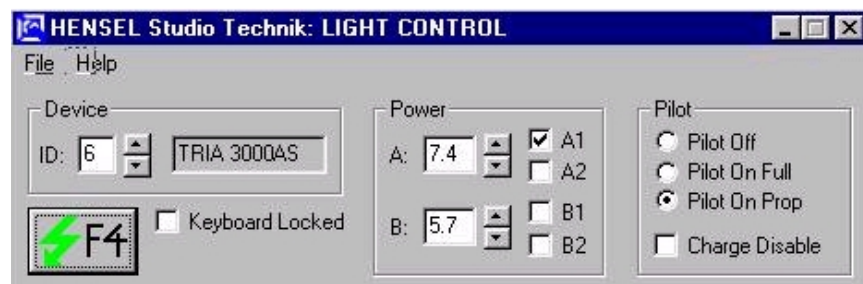
Picture 2: Software "Light Control"

The LED of the involved radio modules lights up. It has to be ensured that for communication of the radio modules always the same colour (channel) has to be set. The channel and the colour, respectively, can be switched using the pushbutton below the LED.
Up to 10 TRIAs can be controlled per each colour that means in total up to 30 power packs in three groups.
After automatic frequency adjustment the connected TRIAs can be selected in the next window by setting an ID Number. Each TRIA must have an own ID Number. The same ID Number may not be chosen twice. The ID Numbers of the TRIAs must be transferred to the "Light Control" Software by checking the related boxes.
After the Setup procedure is complete TRIAs can be selected and their settings can be changed at any time per radio remote control. The configuration data already set on the control panel of the TRIA power pack will be automatically delivered to the Control Software.
The settings of all connected TRIA power packs can be stored under any filename. The file can be later re-opened for other applications. In case of re-opening of a previously created file a memory window will appear, requesting the constellation Setup (number, type and ID of the connected power packs). After checking and confirming of the data, all stored configuration data will be automatically sent from the software to the connected power packs.

Flash Triggering

The synchronization cable is to be connected to the synchronization socket of the radio module at the PC. The radio module is equipped with a high-speed trigger system, which ensures that even during operation with fast synchronization times delays won't occur.
Test flashes can be released by either striking the F4 key of the keyboard or by clicking the green F4 button in the "Light Control" window.

Caution

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.

Technical Data "Flash Link"

Bi-directional Radio Remote Control System for all function

Frequency range:	Europe:	869.300 - 870.000 MHz
	USA:	915.000 - 915.300 MHz
Channels:	3 channels for up to 10 flash units per channel, channels can be identified by colour.	
Range:	up to approximately 200 m in the open, approx. 70 m in typical studio area.	
Connection:	USB interface on PC basis, MAC in preparation.	
Flash Triggering:	High-speed flash triggering By connecting the camera directly to the radio module	
Certificates:	USA:	FCC ID: QP2-RF-01Y-XXXX-U

Würzburg, September 2002