

PORTY 6
PORTY 12

Lithium
Lithium

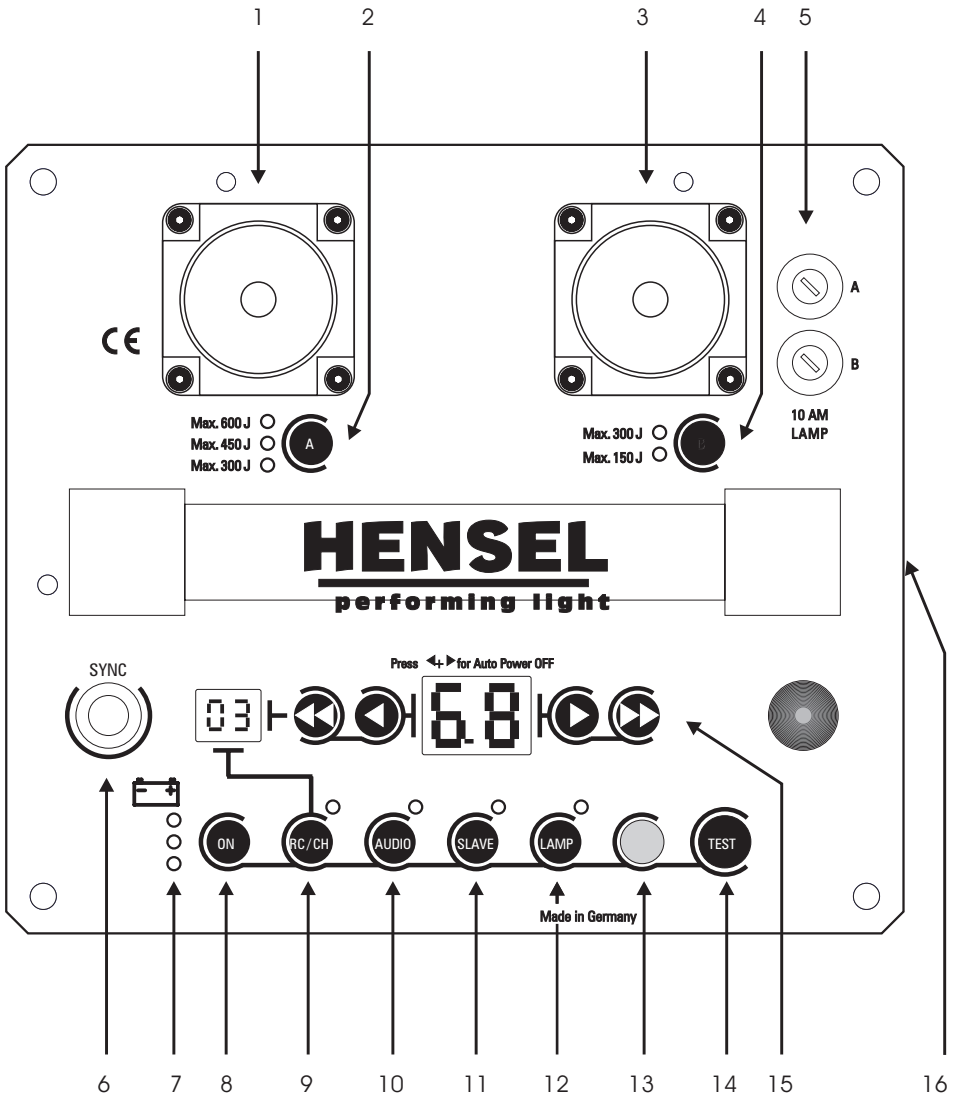
Power Pack
battery powered
radio controlled



User Manual

HENSEL
performing light

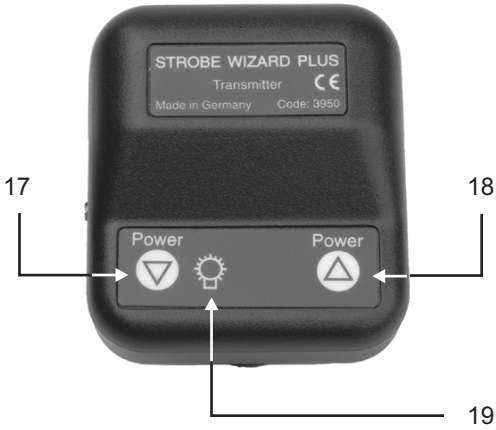
PORTY 6 Lithium Power Pack, Code No. 4956
 PORTY 12 Lithium Power Pack, Code No. 4958



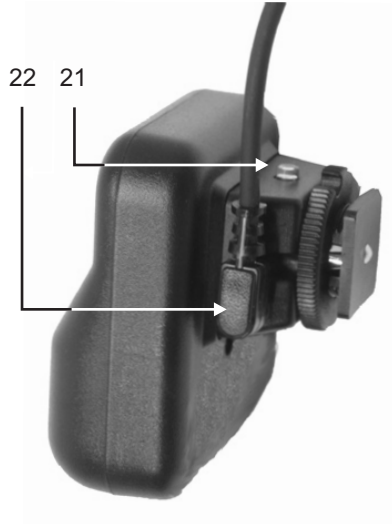
Operating Panel

HENSEL Strobe Wizard Plus Transmitter for radio flash triggering and power control

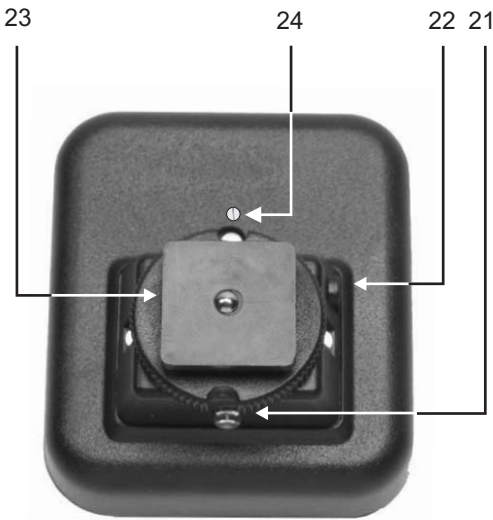
Operating Controls - Top View



Side View



Operating Controls - Back View



Channel Selection



1 Introduction

Dear Photographer,

in buying a HENSEL flash system, you have purchased powerful equipment of high quality.

So that you are able to successfully and productively work with this system for many years, we are giving you some advice on the use of this high tech product. Only by observance of the information given you secure your warranty, prevent damage and prolong the life of the equipment.

HENSEL Studiotechnik has taken great care to manufacture a secure and high quality flash system under inclusion and observance of all current regulations. Strict quality controls secure our quality requirements even in mass production. Please take your part in this and treat the equipment with due care - your reward will consist of excellent pictures.

If you should have any questions on the use, then feel free to ask us at any time.

We wish you success and „good light“.
HENSEL Studiotechnik

User Manual – Date of Revision: 2008-10

Technical data are subject to change. No guarantee for misprints. The listed values are guide values and should not be understood as binding in a legal sense. The values can differ due to tolerances in used components.

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3 General safety regulations

Power packs store electrical energy in capacitors by applying high voltages. These form a source of danger, which must be carefully excluded. Besides general rules on handling electrical appliances, the following safety measures must be observed. Therefore read and comply the safety hints (also see the paragraph *Starting up*) given in the user manual before turning the appliance on.

Proper use

The PORTY Lithium power pack is meant for studio and outdoor use by professional photographers. Its task is to provide electrical energy for certain fixed types of HENSEL flash lamps.

The HENSEL Strobe Wizard Plus Transmitter is used for triggering flashes and adjusting the flash power of special HENSEL flash units with built-in receiver via radio signal.

Improper use

Power pack and radio control unit must not be used for any other purposes than that described above, especially not for other electrical appliances.

Contact with the capacitor voltage is perilous, and therefore opening of the case of PORTY power pack and repairs must only be made by authorized customer service.

- Flashtubes must only be exchanged by authorized trained personal. Exchange of flashtube and modeling lamp must only be performed with the appliance turned off, unplugged from the mains and discharged.
- Only lamp connectors with immaculate contacts must be used, burned or corroded contacts may cause explosions in the area of connectors and lamp sockets.
- Do not route cables across the studio floor if possible, so that damage is excluded. If routing across the studio floor cannot be omitted, then it must be ensured that vehicles, ladders, etc do not damage cables. Damaged cables and housings must be immediately replaced by customer service.
- Ventilation slots of power packs must be kept free during operation and sufficient air supply must be ensured. Do not stick any objects into ventilation slots, lamp sockets or synchronization sockets.
Do not deposit any objects (tools, coffee cups, etc.) on the power pack.
- Flash systems must not be used in environments with explosion hazard. Flammable materials, like furnishing fabrics, paper, etc. must not be stored in the immediate vicinity of generators and flash lamps to prevent fire hazards.



- PORTY power packs, radio control units, charging units and connected lamp heads must be protected against humidity and spray water.
- Do not connect accessories from other manufacturers, even if they use the same or similar connectors.
- Power packs - hanging from pantographs or ceiling - must be doubly secured against falling down.
- Do not flash into eyes at short distances (smaller than 5 m), because this may lead to eye damage. Do not look directly into the flash reflector; the flash lamp could be triggered inadvertently.
- Regularly air closed rooms to prevent build-up of inadmissible ozone concentrations, which can occur due to the use of high-powered flash systems.
- During work in the studio generating much dust, the appliance must be covered with suitable dust protection (not during operation).

4 Description

The battery-powered PORTY Lithium generator can be operated using the radio control transmitter Strobe Wizard Plus that is part of the scope of delivery. Up to 3 power packs can be independently controlled.

PORTY 6 and 12 Lithium power pack have 600J and 1200J, resp., stored energy digitally adjustable in 1/10 steps over a range of 7 f-stops. Power distribution is symmetrical or asymmetrical over the two flash sockets.

Especially for PORTY are available: EH Pro Mini 1200P/1200P Speed (Code No. 3604/3607), EH Pro 1200P (Code No. 3602), and Ringflash RF 3000P/PM-XS (Code No. 3410) for connection to the flash sockets. It is also possible to connect additional flash heads from the HENSEL product range (*but note: no ability of modeling lamp*) using a special adapter cable (Code No. 578).

The Lithium battery pack provides up to 450 flashes for PORTY 6 and 230 flashes for PORTY 12 at full power and with the modeling lamp switched off. The battery pack can be charged using the Charging Unit Lithium (Code No. 5672). Charging time of the battery pack is about 2 hours. The PORTY battery pack can be charged using the charging socket at the battery pack drawer.

Flashes can be triggered by a special synchronization cable (Code No. 498) or by the built-in slave.

5 Standard delivery

The PORTY 6 Lithium power pack, Code No. 4956, or the PORTY 12 Lithium power pack, Code No. 4958, comes with
 1 Lithium-ion battery pack, Code No. 1499,
 1 Synchronization cable, and
 1 Strobe Wizard Plus transmitter for radio flash triggering and power control.

6 Technical Data*

Power pack series / Model type	PORTY 6 Lithium	PORTY 12 Lithium
Stored energy:	600 J	1200 J
Aperture 100 ASA, t 1/60, distance 1m, EH Pro Mini 1200P, 12" Reflector:	90 1/10	128 2/10
Aperture 100 ASA, t 1/60, distance 2m, EH Pro Mini 1200P, 12" Reflector:	32 8/10	64 2/10
Flash duration in sec. t 0,1 (0,5), full power, 1 EH Pro Mini 1200P: 1 EH Pro Mini 1200P Speed:	1/504 (1/1474) 1/882 (1/2824)	1/276 (1/909) 1/487 (1/1519)
No. of flashes per battery pack charge, full power**:	max. 450	max. 230
Charging time in sec., full power:	1,0	2,0
Power adjustment: Power distribution: Flash sockets:	in 1/10 f increments over 7 f adjustable symmetrical or asymmetrical 2 (round sockets)	
Modeling lamp max.:	halogen lamp 2 x 65W	
Spezification of battery pack:	Li-Ion, rechargeable, U(Nenn) = 14,6V/ 6,5 Ah Weight 1,2 kg	
Charging time in h:	2	
Fuse Modeling lamp/charging:	2 x 10 AM	
Weight with Li-ion battery (kg):	5,4	5,9
Dimensions of housing in cm (LxBxH):	22,5 x 20 x 21,5	
Code No.:	4956	4958

*: Technical changes reserved.

**: Modeling light OFF.

Transmitter series / Model type	Strobe Wizard Plus / T4/6V
Type of Battery:	28L / 6V
Range:	> 40 m (12.2 feet) free visibility
Channels:	3 channels individually adjustable
Frequency:	433,92 Mhz
Sync current / Sync voltage for camera:	< 1mA for 5 μ s / 3V
Shutter time for synchronization:	1/250 sec
Weight:	53 g (1.87 oz.)
Dimensions (Width x Length x Height):	5.5 x 6.3 x 4.8 [cm] 2.2 x 2.5 x 1.9 [inch]
Recommended HENSEL flash units:	PORTY Lithium/Premium/Premium Plus
Code No.:	3950

This product conforms to the radio standards ETSI EN300220 und FCC15.231.

7 Overview of controls

Frontpanel PORTY Lithium

- 1 Flash socket A
- 2 Power switch Channel A
- 3 Flash socket B
- 4 Power switch Channel B
- 5 10 AM: Fuse Modeling lamp/Charging
- 6 SYNC: Synchronization socket
- 7 LED charging indicator
100% (green), 50% (yellow), 10% (red)
- 8 ON: Main switch ON/OFF
- 9 RC/CH: Radio Receiver ON/OFF and channel selector
- 10 AUDIO: Audio ON/OFF
Acoustical signal for flash readiness / automatic shut-off
- 11 Slave ON/OFF
- 12 LAMP: Modeling lamp
- 13 Display for flash readiness (READY Indicator)
- 14 TEST: Manual flash release
- 15 Digital display with
Flash power / automatic shut-off time: Increase button
Flash power / automatic shut-off time: Decrease button
- 16 USB socket

Radio Flash Trigger / Power Control System Strobe Wizard Plus

- 17 Flash power decrease button
- 18 Flash power increase button
- 19 Modeling Lamp ON/OFF switch
- 20 Sliding switch for channel selection / 'ALL' option
- 21 TEST: Manual flash release
- 22 SYNC/RC: Synchronization socket
- 23 Locking screw for mounting
to the Hot Shoe of the camera
- 23 Screw for opening the battery compartment

8 Starting up

Safety hints for operation with connected flash heads

To avoid damage to the flashtube mount reflectors and lightformers (softboxes etc.) before use and turning on the unit. Do not move power packs and lamp heads around, while they are operating. Turn off the appliance before changing reflectors or moving the unit to another location.

Caution: Reflectors, speedrings and other accessories heat up during longer operation. To avoid injuries, handle with isolating cloth or wait, till parts cooled down.

A damaged flashtube is extremely dangerous because the electrically charged electrodes are exposed and could be touched. In case of a damaged flashtube, the flash head has to be unplugged from the generator immediately and sent to an authorized HENSEL service department. If the power pack and the flash head are not separated from each other, the capacitors inside the generator may be still charged and dangerous high voltage can be still present at the damaged flashtube electrodes of the flash head.



Assembly

When mounting to a ceiling system or a pantograph, suspended flash heads have to be doubly secured from falling down or dropping. This is done by tightening the safety screw at the HENSEL tilting head. Due to the existing safety regulations, it is, however, necessary to use a safety rope (Code No. 769) for further security.

The safety rope has to be led through the handle of the flash head and then secured by looping through the bracket of the pantograph or the eyelet of the carriage.

Heating

Due to the modeling and flash light, each generator and flash head emits heat. This can heat up the parts of the unit to a dangerous level. Therefore make sure, that generators and lamp heads are located far enough from inflammable props to avoid inflaming them. Take care for sufficient air supply and make sure that ventilation slots of generators and flash heads are kept free.

Do not operate power packs and flash heads unattended.

Acclimatizing

When moving generator from one climatic zone to the next, the appliance should stand in the room, in which it will be operated, for some time before starting it up. This might possibly prevent internal shortcuts caused by condensing water.

Positioning

PORTY power packs can be operated standing up or lying down.

Automatic overload circuit

Large series of subsequent flashes may trigger the automatic overload circuit. After a break of cooling down, the power pack is ready again for operation. The READY Indicator **13** flashes up.

Lamp connections

EH Pro Mini 1200P Head (Code 3604)

EH Pro Mini 1200P Speed Head (Code 3607)

EH Pro 1200P Head (Code 3602)

All flash heads are specially designed for operation with the PORTY power pack. For the EH Pro Mini Heads, max. 2 modeling lamps of up to 65W/12V halogen each can be used. For the EH Pro Head, max. 50W/12V halogen can be used.

**13:
READY**

All flash heads come with a flash head cable with a screwable round plug. Therefore, screw the flash head cable to the flash socket of the flash head first and tighten it safely using the cap screw. To remove the plug, completely unscrew the cap screw and pull the plug upwards.

Ringflash RF 3000P/PM-XS (Code No. 3410)

Special version only for operation with PORTY power pack. For synchronization, the Ringflash can be directly connected to the camera using the 3.5 mm synchronization socket. The Ringflash is not equipped with a modeling lamp.

Additional HENSEL flash heads

HENSEL flash heads fitted with a 20-way-plug do also work with PORTY power pack. For connection to the power pack a special adapter cable (Code No. 578) can be ordered. In this case the modeling light is not available.

Accessories

For the connected flash heads the wide HENSEL accessory range of series EH/CONTRA (adapter Ø 10 cm) is available.

Third party manufacturers

Even through similar lamp sockets and plugs are used by other manufactures as well, lamps and flash heads from these manufactures may **not** be connected to the PORTY power pack. This requires in every case an adapter cord. Ask your HENSEL agent about suitable adapter cords for your brand.

Number of flash heads connected

The maximum load capacity of the generator must not be exceeded. Only 2 flash heads are allowed to be connected simultaneously.

Mechanical connection of lamp plugs

- Before connecting lamp plugs, turn off the power pack using main switch **8**.
- Only use flawless plugs and sockets.
- Plugging or unplugging of flash plugs must only be done with the power pack switched off.
- Unused sockets must be covered with locking caps

Insert lamp plugs into the flash sockets **1** or **3** and then safely lock them using the cap screw. To remove the plug, completely unscrew the cap screw and pull the plug upwards.

8:
OFF

1.3

Replacement of the battery pack drawer

Hints to PORTY battery pack

- The HENSEL PORTY item must only be operated with the original HENSEL Li-ion battery and the HENSEL charging units.
- The battery pack is not to be opened or removed from the battery pack drawer.
- Battery packs contain substances that are corrosive and injurious to health, therefore, the safety hints printed on the battery pack must be observed.
- The battery pack must be protected against vibration, humidity, and high temperatures and must not be used in explosive environments.
- When working with the PORTY at low temperatures, the battery pack should be stored in a warm room before starting-up to achieve a higher power output.
- The battery pack should be connected to the charging unit no longer than 24 hours.



8:
OFF

Removing the battery pack drawer

1. Switch off the unit using the main switch **8**.
2. Press down the push-button (PUSH) of the battery pack drawer and pull it out forward.

Inserting the battery pack drawer

To insert the battery pack drawer push the drawer into the unit until you can hear it snapping in.

Charging of the battery pack

The Li-ion battery pack can be charged using the charging socket at the battery pack drawer. During the charging process, the drawer can be placed inside or outside the PORTY housing.

Only use the HENSEL charging unit Lithium (Code 5672) for the charge of the Li-ion battery pack.

The Lithium charger has no main switch. The provided AC power cable is plugged into the mains socket of the Charging Unit Lithium and then connected to the mains wall socket.

The charging plug is plugged into the PORTY charging socket at the battery drawer and safely screwed into the socket. Correct connection is indicated by the red light of the Power Control LED.

The charge of the Lithium-ion battery pack starts after pressing the 'Wake up' button.

The Battery Charger Lithium must only be connected to earth connected mains circuits.



Charging socket



The following LEDs at the front of the housing of the Lithium Charger indicate the state of charging:

- Power LED (red): Correct connection
- FULL LED (green): Battery pack has been fully charged
- Charging LED (yellow): Battery pack is charging
- Error LED (red): Charge error

Charger Lithium	
Code No.:	5672
Charging time:	2 h
Input voltage:	90 VAC...260 VAC, automatic switch over



Due to chemical reactions the battery pack heats up during charging, especially at the end of the charging process. The battery pack feels lukewarm. However, if the battery pack becomes hot, a failure of the protection circuit might be present. In this case, the charging cable is to be removed and the items (Li-ion battery pack and charging unit) be sent to an authorized customer service for technical inspection.



Please note the separate operating instructions enclosed to the charging unit.

9 Operation

In the following you find a detailed description of all features available for the PORTY power pack using the operation panel. Alternatively you can control most of the functions of the PORTY power pack using the radio control transmitter Strobe Wizard Plus. For detailed information please refer to page 18.

Operation Panel PORTY Lithium Power Pack

Turning ON and OFF

By pressing button **8** for approx. 1.5 seconds, the PORTY power pack is switched on. Repeated short pressing switches the unit off. After turning on the unit and first charging of the capacitors, the charging indicator **7** flashes. When the green READY indicator **13** lights up, the power pack is ready to flash.

8:
ON/OFF

7, 13

15:**Automatic shut-off time**

To save the battery pack, the PORTY unit turns off automatically after a predefined period of time.

Setting the automatic shut-off time

Press the two direction buttons beside the display **15** simultaneously for setting the automatic shut-off time. The time is adjustable within a range of 0 - 60 min as shown on the digital display **15** (disregard the decimal point, e.g. 0.2 means 2 min. shut-off time).

To disable the automatic shut-off, press the direction buttons until „-.-“ appears on the display. After about 2 sec. the display automatically switches to the display of f-stop values.

Delivery status is 15-minute auto shut-off time.

Charging status

After switching on the power pack, the capacity of the battery pack is shown by lighting up of the respective control LED on the charging display **7**. Due to the system, the LED charging indicator **7** of the battery pack can only be an approximate indication. The capacity, that means the number of flashes, which can be taken, depends upon numerous factors, e.g. status of charging, temperature, age of the battery pack, etc. Completely new battery packs only achieve full capacity after approx. 3 to 5 charges. The capacity of the battery pack can also be checked with the power pack switched off. For this purpose, press the ‚Check‘ key on the battery pack drawer and the charging status is displayed by the respective LED.

7:Charging status during operation and stand-by:

After pressing the ‚Check‘ button, the charge status is indicated by lighting up of the respective LED as follows:

<i>no LED lights up:</i>	<i>battery pack completely discharged, shut-off</i>
<i>red LED:</i>	<i><= 10%</i>
<i>yellow LED:</i>	<i>>10% und <= 50%</i>
<i>green LED:</i>	<i>>50%</i>

When the battery pack shuts off due to overcurrent, all 3 LEDs are blinking. In general, this error is reset after about 20 sec.

Charging status during charging process:

Is the battery pack connected to the Charger, the charging status is displayed by the LEDs as follows:

<i>red LED blinking:</i>	<i><= 10%</i>
<i>red LED permanent, yellow blinking:</i>	<i>>10% and <= 50%</i>
<i>red + yellow LED permanent, green blinking:</i>	<i>>50%</i>
<i>red, yellow and green LED permanent:</i>	<i>>85%</i>
<i>no LED lights up:</i>	<i>battery pack charged</i>

Synchronization (flash triggering)

6:
SYNC

Synchronization by cable

Via the synchronization socket **6** the generator is connected to the camera using a synchronization cable with 6,3 mm phone jack.

The synchronization circuit is made up of state-of-the-art semiconductor technology and enables secure triggering of the flash even with older cameras with mechanical contacts.

Due to the many different electronic circuits in cameras for controlling synchronization, we cannot take any liability for possible damage to cameras triggering flashes. Please contact the camera manufacturer before using an unusual camera.

11:
SLAVE

Synchronization by slave

The built-in slave can trigger the power pack. Triggering is done by an „incoming“ flash, which was emitted by another flashlight. This mode of operation is switched on using switch **11** and indicated by the green lamp of the control-LED.

The slave is an impulse photocell. It can only operate, when the triggering flash has a higher f-stop than the ambient light. Please be aware that the ambient light that strikes the slave may never be too strong. If this cannot be avoided, please switch off the slave by pressing switch **11** and release the flash by cable or radio signal.

14:
TEST

Manual flash triggering

By pressing button **14** test flashes can be released. After reducing the flash power, a flash can be triggered to shorten the power dumping time.

Flash triggering using the Strobe Wizard Plus transmitter
See information on page 18.

Flash power control

The battery powered flash unit offers symmetrical and asymmetrical power distribution.

2

Power control of channel A:

By pressing button **2** the maximum possible power output (for PORTY 12 Li max. 1200J and for PORTY 6 Li max. 600J) can be set. The corresponding LED lights up. Repeated pressing turns the connected flash head off; the LED indicator goes out. The maximum power output is adjustable within a range of 7 f-stops using the up and down keys beside the display.

15

The key with the single arrow increases and decreases, resp., the power output by 1/10 increments, the double arrow key by 1 f-stop. The values are shown on display **15** as follows:

10	equals	1200 J (Porty 12 Li) and	600 J (Porty 6 Li),	resp.
9.0	equals	600 J (Porty 12 Li) and	300 J (Porty 6 Li),	resp.
8.0	equals	300 J (Porty 12 Li) and	150 J (Porty 6 Li),	resp.
7.0	equals	150 J (Porty 12 Li) and	75 J (Porty 6 Li),	resp.
6.0	equals	75 J (Porty 12 Li) and	38 J (Porty 6 Li),	resp.
5.0	equals	38 J (Porty 12 Li) and	18 J (Porty 6 Li),	resp.
4.0	equals	18 J (Porty 12 Li) and	9 J (Porty 6 Li),	resp.

4

Power control of channel B:

As described above, repeated pressing button **4** switches the connected flash head to the maximum possible power output (for PORTY 12 Li max. 600J and for PORTY 6 Li max. 300J) or switches the head off. Using the up and down keys, the power output can be precisely adjusted within a range of 7 f-stops (see above).

Power control with flash heads connected to channel A and B:

Symmetrical operation

2, 4

After the same power output for both channels A and B has been set by repeated pressing the buttons **2** and **4** (600J for Porty 12 Li; 300J for Porty 6 Li), the power is symmetrically distributed through the 2 connected flash heads. The precise adjustment is done by using the up and down keys as described above.

Power control with flash heads connected to channel A and B:

Asymmetrical operation

2, 4

By repeated pressing the buttons **2** und **4** the following power distribution can be selected:

Porty 12 Li:	Option1	A = 900J	B = 300J	Display 10-6,7
	Option2	A = 600J	B = 300J	Display 9.6-6.3
Porty 6 Li:	Option1	A = 450J	B = 300J	Display 10-6,7
	Option2	A = 300J	B = 150J	Display 9.6-6.3

For both options, the power output through the channels A and B can be equally reduced using the up and down keys.

13:
READY

READY

The READY indicator **13** lights up when the capacitors are charged to the desired value; only in this case flashes can be triggered via the synchronization socket, SLAVE, TEST or radio signal.

13:
READY

Readiness to flash

Readiness to flash is signalled by

- green light of the READY control lamp **13**
- acoustical signal when AUDIO is switched ON (green light of the control lamp of switch **10**)

10:
AUDIO

AUDIO

An acoustical signal that can be turned on or off by pressing switch **10** indicates:

- Readiness to flash after charging (1x)
- Automatic shut-off (3x)

10:
AUDIO

Acoustical error signal

If an error occurred, an acoustical signal of 3 seconds duration is given independent of the AUDIO switch setting.

9:
RC/CH

RC/CH

A short tap on button RC/CH **9** switches the radio control unit on (Control LED lights up) or off. A long press on button **9** changes to the channel selection mode; the green display is flashing. A channel (1 – 3) can be selected by using the arrow keys beside display **15**. After approximately 3 seconds, the displayed channel setting is stored. The display changes to the flash power setting.

15

Modeling lamp

The PORTY Li power pack offers various modeling light options For EH Pro Mini Head, the rocker switch has to be placed to middle position.

12:
LAMP

A short tap on button **12** switches the modeling lamp on for about 30 sec. (LED is blinking) during which the light can only be switched off by flash triggering. Pressing button **12** for longer than 2 sec. switches to continuous operation (LED runs continuously). The modeling lamp is switched off by a repeated short tap on button **12**. The Strobe Wizard Plus transmitter can only switch on the modeling lamp for 30 sec.

If 2 flash heads are connected, a modeling lamp of max 65W halogen per each flash head is permitted.

**10:
AUDIO****Daily flash counter**

The number of flashes triggered can be read out by pressing the AUDIO button **10** for longer than 1 second. The number of flashes is shown on both displays (max. value being displayed: 9999 flashes). When the number of flashes appears on the display, a reset to ‚zero‘ can be done by pressing the SLAVE key **11**.

**11:
SLAVE****USB socket**

Interface (laterally attached to the housing) for microprocessor programming; only ex works.

16**Error messages**

The occurrence of an error is indicated by a 3-second long acoustical signal. On the small display appears ‚Er‘ and on the big display one of the following error codes:

- 01: max. charging time exceeded (>5 and >10 sec, rsp).
No automatic reset.
- 02: max. discharge time exceeded (>5 sec).
No automatic reset.
- 03: Overcharge error.
No automatic reset.
- 04: No flash triggered.
This error may also occur with the radio control unit.
Example: Head connected to socket A, but Head A switched off and Head B switched on instead → ‚Er 04‘
Automatic reset after approx. 9 sec.
- 05: Error in temperature.
Automatic rest after a cooling down period



Strobe Wizard Plus transmitter **for radio flash triggering and power control**

Connection

The Strobe Wizard Plus transmitter has no built-in main switch for switching the unit ON. The transmitter is to be connected to the camera either by attaching to its Hot Shoe or by connecting the synchronization cable to the sync socket **22**. If it is connected to the Hot Shoe the unit must be carefully tightened using locking screw **23**.

Channel selection

The lateral sliding switch **20** allows to set 3 different working channels. In addition, the option 'All' can be selected.

Pressing button **9** of the PORTY power pack activates the built-in radio receiver (control LED lights up). Repeated pressing (> 3 sec) switches to the working channel selection: On the LED display **15** appears 'CH' and the number of the currently chosen working channel (1, 2, or 3). Pressing the arrow buttons allows to scroll between the channels. If the setting of the working channel remains unchanged for longer than 3 seconds, the channel is stored and the display changes to flash power setting.

Test flash

By striking the „Test“ key **21** or by releasing the camera shutter flashes can be triggered either selectively depending on the working channel selected or all flash units together when the option 'All' has been selected on the radio transmitter. In total, 3 different working channels are available.

Besides flash triggering there are also options for adjusting the flash power and modeling lamp available, that go either for all flash units or the selected working channel:

1) Power adjustment

The buttons **17** and **18** offer further options for the power adjustment: A single click of the respective button reduces (**18**) and enhances (**17**) the flash power by 1/10 f-stop.

2) Modeling Lamp

Pressing button **19** for longer than 3 seconds switches the modeling light on for about 30 sec.

The antenna is integrated in the handle.

20

9:
RC/CH

15

21

17, 18

19



10 Maintenance

PORTY Lithium Power Pack

PORTY Lithium power pack is in need of little maintenance by the user. The unit should be dry cleaned from dust from time to time. Before cleaning switch the unit off and separate the unit from the charging unit.



Under no circumstances is any part of the equipment to be opened. The equipment is not user serviceable and there is dangerous high voltage. In case of difficulty notify your dealer.

Replacement of fuses

PORTY Lithium power pack is secured by two fuses 10 AM for charging and modeling light. In case of a broken fuse replace fuses only, when the unit is switched off and separated from lamp heads and charging units.



Never repair or bridge fuses. It is very important to replace fuses only with the specified value. A wrong fuse may cause an explosion of the halogen modeling lamp.

Strobe Wizard Plus

The HENSEL transmitter Strobe Wizard Plus is almost maintenance-free. Because of the low energy consumption a battery lifetime of 1 to 2 years can be assumed depending on the degree of utilization. The battery can be exchanged by resolving the screw **24** at the bottom of the unit. This provides access to the electronics and the battery can be removed from the clips and exchanged. Before reinstallation of the new battery the polarity must be observed. The positive pole should be pointed toward the Power Down **17** button.

24

17

Regular check

National safety regulations require regular inspection and maintenance of electrical systems and appliances. Power packs and accessories must be regularly checked for safe operation. Yearly inspection of the appliances serves the safety of the user and protects your investment in the system.

Return to customer service

To achieve a maximum protection of the unit sending it in for service, the original packaging should be kept.



11 Disposal

Packaging of the power pack has to be separately disposed of and recycled. Worn out and broken appliances has to be disposed off by electronics recycling.

12 Accessories

Accessory available for PORTY Lithium power pack:

- Drawer with Li-ion battery pack Code No. 1499
- Battery Charging Unit Lithium Code No. 5672

- EH Pro Mini 1200P Flash Head Code No. 3604
- EH Pro Mini 1200P Speed Head Code No. 3607
- Ringflash RF 1200P XS Code No. 3410
- EH Pro 1200 P Flash Head Code No. 3602

- for EH Pro Mini 1200P/1200P Speed Head:*
- 5m Flash Head Extension Cable Code No. 5791
- 7m Flash Head Extension Cable Code No. 5792
- 10m Flash Head Extension Cable Code No. 5793

- for EH Pro 1200P Head:*
- 3m Flash Head Extension Cable Code No. 579

- Adapter Cable
(for flash heads with 20-pole socket) Code No. 578

- Strobe Wizard Plus Transmitter (type T4/6V) for
radio flash triggering and power control Code No. 3950

- Reflectors (Ø10 cm) , Softboxes (Ø10 cm), and Umbrellas

13 Customer Service

Works customer service

with 24 hours express service:

HENSEL Studioteknik GmbH & Co. KG

GERMANY
- service department -
Robert-Bunsen-Str. 3
D-97076 Würzburg

Phone: +49(0)931/27881-0
Fax: +49(0)931/27881-50
Internet: www.hensel.de
E-mail: info@hensel.de

14 Certificate of Conformity for Electromagnetic Compatibility and Safety

Manufacturer and
Owner of Certification: HENSEL Studiotechnik GmbH & Co.KG
Robert-Bunsen-Str. 3
97076 Würzburg
Germany

Test Report: of September 01, 2008

Products: **PORTY 12 Lithium Power Pack**
PORTY 6 Lithium Power Pack

Description: Emission and Interference Resistance

Directives: EN 50 081-1 / EN 55 014 / EN 60 555 /
EN 50 082-2 / EN 61 000-4-2/3/4/5
EN 60491:95 / EN 60598-1:93+A1:96 / EN 60598-2-9:89

This certificate of conformity is made by the above mentioned manufacturer according to article 10, paragraph 1, of the Councils Directive of March 3rd 1989 referring to electromagnetic compatibility and safety for bringing the statutory instruments of the Member States into lines with each other. This certificate does not make any statement according to requirements of other provisions concerning the electromagnetic compatibility and safety.

Description: Low Voltage Directive

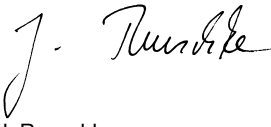
Directives: EN 60491:95 / EN 60598-1:93+A1:96 /
EN 60598-2-9:89

This certificate of conformity is made by the above mentioned manufacturer according to article 10, paragraph 1, of the Councils Directive of February 19th 1973 referring to electrical items for usage within specified voltage limits (72/23/EWG).

This certificate of conformity is the result of testing samples of the above listed products submitted, in accordance with the provisions of the relevant specific standards.

Date: September 01, 2008

Manufacturer



J. Renschke
- Managing Director -
HENSEL Studiotechnik GmbH & Co.KG

HENSEL

performing light

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