

Pro Mini 1200 AS

Generator
Power Pack

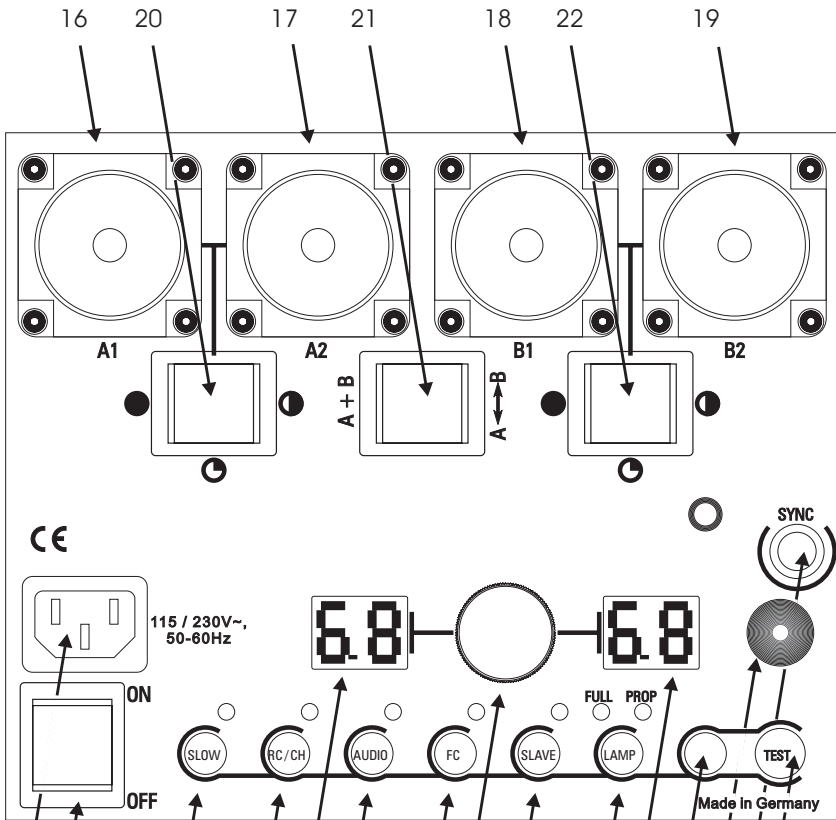


Bedienungsanleitung
User manual

PRO MINI 1200 AS

Generator
Power Pack

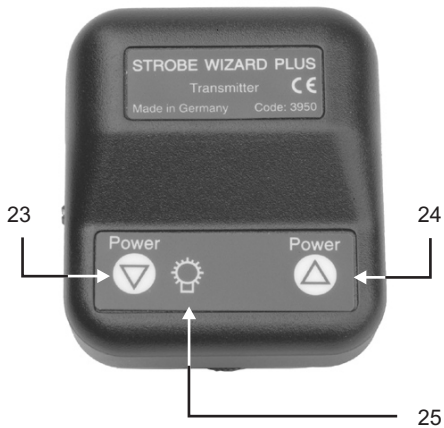
Bedienpanel
Controls



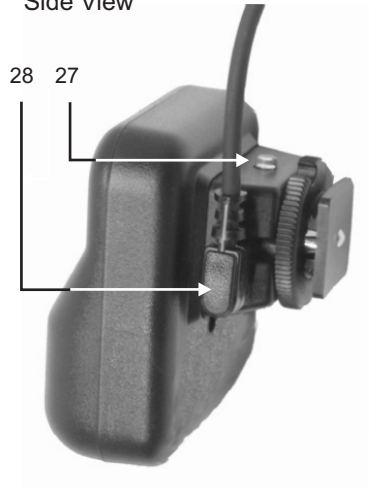
- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14
- 15

HENSEL Strobe Wizard Plus Sender für Funkfernauslösung und Blitzsteuerung
HENSEL Strobe Wizard Plus Transmitter for radio flash triggering and power control

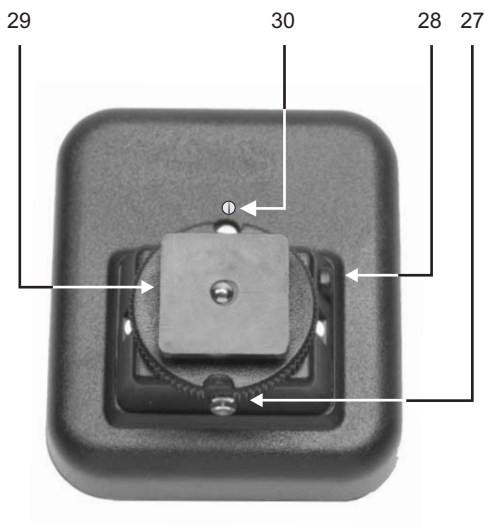
Bedienelemente - Draufsicht
Operating Controls - Top View



Seitansicht
Side View



Bedienelemente - Rückansicht
Operating Controls - Back View



Kanalwahl
Channel Selection



Bedienungsanleitung
Pro Mini 1200 AS Generator

Seite 3

User manual
Pro Mini 1200 AS Power Pack

Page 23

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: 2006-12

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.

2 Table of contents

1	Introduction	23
2	Table of contents	24
3	General safety regulations.....	25
4	Technical data.....	27
5	Overview of controls	28
6	Starting up	29
	Safety hints.....	29
	Acclimatizing	30
	Positioning	30
	Mains connection	30
	Fuses.....	31
	Lamp connections	31
	Mechanical connection of lamp plugs	32
	Number of flash heads connected.....	32
	Power distribution	32
7	Operation	
	<u>Panel Pro Mini generator</u>	32
	Switching ON and OFF	33
	Synchronization	33
	Flash power distribution of flash sockets ...	34
	Flash power control.....	35
	Flash readiness.....	36
	APD System.....	36
	Modeling lamp.....	36
	Audio	37
	Slow charging.....	37
	Test flash.....	37
	Trouble shouting	37
	<u>Strobe Wizard Plus transmitter</u>	37
8	Maintenance	
	<u>Pro Mini Generator</u>	38
	Replacement of fuses	39
	<u>Strobe Wizard Plus transmitter</u>	39
	Regular check	39
	Return to customer service	39
9	Disposal.....	39
10	Accessory.....	40
11	Customer service	40
12	Certificate of Conformity	41

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*) within the user manual before turning the appliance on.

Proper use

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

Improper use

The appliance must not be used for any other purpose than that described above, especially not for other electrical appliances.



Contact with the capacitor voltage is perilous. Thus, opening of the housing of Pro Mini 1200 AS power pack and repairs must only be made by authorized customer service.

- Flashtubes must only be exchanged by authorized trained personnel. Exchange of flashtube and modeling lamp must only be performed with the appliance turned off, unplugged from the mains and discharged.
- Power packs must only be used on supply lines (mains) with working protective conductor (earth line).
- 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 cases 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 power packs and flash lamps to prevent fire hazards.

Power packs 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 can 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 Technical data*

Model series / Model type		Pro Mini 1200 AS
Rated energy:		1200 J
Aperture 100 ASA, t 1/60, 2 m distance, 12" Reflector:	100% Leistung:	f 64 9/10
Flash duration in sec. t 0,5 (0,1), 100 % power	1 EH Pro Mini: 4 EH Pro Mini:	1/400 (1/125) 1/1200
Recycle in sec.	100% power: min. power:	1,3 0,2
Power output	Power adjustment: Power distribution: Flash sockets:	5 f (symmetrical), 4 f (asymmetrical) symmetrical or asymmetrical 4
Modeling lamp max.:	230V: 115V:	4 x 650W Halogen 4 x 300W Halogen
Fuse:	Modeling lamp:	2 x 10 AF
Mains voltage:		Multivoltage version: 230 V~ / 115 V~
Weight (kg):		5,3
Dimensions in cm (LxWxH):		24 x 21,3 x 17,6
Item No.:		3512
Radio control unit / Model type		Strobe Wizard Plus Transmitter
Battery:		CR 2 , Battery voltage 3V
Range:		> 40 m (12.2 feet) free sight
Channels:		3 individual channels
Frequency:		433,92 Mhz
Sync. current / voltage for camera:		< 1mA for 5 μ s / 3V
Minimum shutter time for synchronization:		1/250 s
Weight:		53 g (1.87 oz.)
Dimensions (LxWxH) in mm		55 x 63 x 48
Recommended power packs:		Series PORTY, Mini Pro
Item No.:		3950

*: Technical changes reserved. Values attained at 230 V/50 Hz voltage.

5 Overview of controls

Panel Pro Mini generator

- 1 Mains connector
- 2 ON/OFF: Main switch
- 3 SLOW: Slow charge (LED indicator)
- 4 RC/CH: Radio Receiver ON (LED indicator)
and channel selection
- 5 LED display for flash power / channel A
- 6 AUDIO:
Acoustical signal for flash readiness ON (LED indicator)
- 7 FC: Flash Check ON (LED indicator)
- 8 Dial for setting the flash power
- 9 SLAVE: Slave ON (LED indicator)
- 10 LAMP:
Modeling lamp OFF/FULL/PROP (LED indicator)
- 11 LED display for flash power / channel B
- 12 Ready Indicator for flash readiness
- 13 Slave, built-in
- 14 SYNC: Synchronization socket
- 15 TEST: Manual flash release
- 16 Socket A1
- 17 Socket A2
- 18 Socket B1
- 19 Socket B2
- 20 Switch for reducing the flash power
Full power – minus 300J – minus 450J
- 21 Switch from symmetric to asymmetric mode
- 22 Switch for reducing the flash power
Full power – minus 300J – minus 450J

Radio flash trigger and power control system Strobe Wizard Plus – Transmitter

- 23 Flash power decrease button
- 24 Flash power increase button
- 25 Modeling Lamp ON/OFF switch
- 26 Channel selector for 3 channels and option 'All'
- 27 TEST: Manual flash release
- 28 SYNC/RC: Synchronization socket
- 29 Locking screw for mounting
to the Hot Shoe of the camera
- 30 Screw for opening the battery compartment

6 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 for each change of reflectors or to move 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 power pack immediately, because the capacitors inside the power pack may be still charged and dangerous high voltage can be still present at the damaged flashtube electrodes. The appliance has to be sent to an authorized HENSEL service department. For replacement of flashtubes please consult your local HENSEL agency.



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 on the HENSEL U-bracket or the wrench screw on the HENSEL tilting head. Due to the existing safety regulations, it is, however, necessary to use a safety rope (Code 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 on the pantograph or the eyelet on the carriage.

Heating

Due to the modeling and flash light, each power pack and flash head emits heat. This can heat up the parts of the unit to a dangerous level. Therefore make sure, that power packs 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 power packs and flash heads are kept free.

Do not operate power packs and flash heads unattended.

Due to the danger of overheating, the modeling light should never be operated at full power for more than 20 minutes. Then adequate cooling should be provided for. The modeling light should never be used for lighting up the studio but only as an assistance when focusing or determining the light guiding and shadow details of the flash.

Acclimatizing

When moving power pack 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 prevents internal shortcuts, which might occur by condensing water.

Positioning

Pro Mini power packs can be operated standing face up.

Mains connection

The type label can be found on the bottom of the appliance.

Multivoltage Version

The power pack adjusts itself for different main voltages.

Flash power packs must only be connected to mains outlets with ground connection.

Insert the plug of the provided power cable into the mains connector **1** and then connect the cable to the mains outlet.



Fuses

Outlets, in the building

	Ue = 230 V	Ue = 115 V
Slow charging:	10 A	16 A
Normal charging:	16 A	20 A

Fuse for modeling lamp

The fuses are general lamp fuses. Make sure that only fuses with the required value 10 A-quick are used.

Fuse for halogen lamp in flash head

The halogen lamp in the head is protected by a 5 x 20 mm melting fuse.

Caution:

Make sure that depending on the mains voltage the right modeling lamp is in use and protected by the specified type of fuse (see table below):

	Ue = 230 V	Ue = 115 V
300W Halogen lamp	2 AF quick	4 AF quick
650W Halogen lamp	4 AF quick	----

Lamp connections

Caution:

Before connecting lamp heads to the Pro Mini 1200 AS power pack check the mains voltage and make sure that the head is allowed to be operated (115V~ / 230V~ / Bivoltage).

The EH Pro Mini 1200 flash head has been specially designed for use with Pro Mini 1200 AS power pack.

It is also possible to use the EH Pro Mini 1200P flash head, but there are limitations: (1) there is no modelling light available and (2) the power pack can only be operated in the SLOW charging mode.

Before starting up the maximum loading of the flash head must be observed (minimum 1200 Ws).

10 AF



2:
ON / OFF



Mechanical connection of lamp plugs

The EH Pro Mini flash head cables are screwable with round sockets. Before connecting the lamp plug to the power pack, the following must be observed:

Before connecting lamp plugs, turn off the power pack using main switch **2**.

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 one of the flash sockets 16, 17, 18, or 19 and then safely lock them using the cap screw. To remove the plug, completely unscrew the cap screw and pull the plug upwards.

Third party manufacturers

Even though similar lamp sockets and plugs are used by other manufacturers as well, lamps and flash heads from these manufacturers must **not** be connected to the Pro Mini 1200 AS 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

Max. 4 flash heads are allowed to be simultaneously connected to the Pro Mini 1200 AS power pack. The maximum load capacity of the flash head must not be exceeded.

Power distribution

Distribution of flash power is achieved symmetrically or asymmetrically over the 2 channels A and B.

7 Operation

In the following you find a detailed description of all features available for the Pro Mini power pack using the operation panel. Alternatively you can control most of the functions of the power pack using the radio control unit Strobe Wizard Plus. For detailed information on its use please refer to page 37.

Operation Pro Mini Power Pack

2: **ON/OFF**

Switching ON and OFF

By pressing main switch **2** the power pack will be turned on and off, respectively.

Synchronization (flash triggering)

Synchronization by cable

The Pro Mini 1200 Power Pack can be connected via the synchronisation socket **14** to the camera using the provided synchronization cable.

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 electrical 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.

14: **SYNC**

Synchronization by slave

The built-in slave **13** can trigger the power pack. Triggering is then effected by an „incoming“ flash, which was emitted by another flashlight. This mode of operation is switched on using push-button **9** till LED indicator lights up. 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 and release the flash by cable or radio signal.

13

9: **SLAVE**



Synchronisation mit Strobe Wizard Transmitter

See information on pp. 37

15: **TEST**

Test flash

By pressing the TEST button **15** test flashes can be released.

Flash power distribution of output sockets

Operation of the battery powered flash unit is possible in symmetrical and asymmetrical mode.

Symmetrical operation

For symmetrical operation, switch **21** has to be set to the symbol A + B.

After connecting a flash head to any of the lamp sockets, the full power of 1200J will be only available if switch **20** and **22** are both switched towards the symbol 'full circle'. Each 'semi-circle' setting allows a 300J reduction, and each 'quadrant' setting a further 150J reduction of the flash power. In total, the maximum flash power available (1200J) can be dropped by 900J, if both switches show the 'quadrant' setting. Using dial **8**, the flash power can be gradually decreased by 2 further f-stops in 1/10 increments. Of course, this precise adjustment over 2 f-stops can be carried out starting from any f-stop setting ('full circle', 'semi-circle'). The flash power is displayed on LED Display **5**.

The flash power could be further downregulated by 1 f-stop, if the operation mode is switched to asymmetric using switch **21**. Asymmetric operation distributes 600J per channel, button **20** allows a maximum 450J reduction ('quadrant' setting) to 150J and dial **8** a further 2 f-stop reduction to 38J. Thus, flash power can be adjusted within a range from 1200J to 38J.

In the case of connecting more than 1 flash head to any of the lamp sockets, the maximum power provided by the power pack (1200J) is distributed symmetrically to all heads connected. The flash power can be reduced by a maximum of 900J in the same manner as described above (both switches **20** and **22** to 'quadrant' setting). The remaining power is distributed symmetrically over the flash heads connected. A further stepwise flash power reduction by 2 f-stops is done by using dial **8**.

Asymmetrical operation

For asymmetrical operation button **21** is to be switched towards symbol A ↔ B. The flash heads are to be connected to channel A and B. The power pack provides 600J per each channel. Each channel can be separately switched using switch **20** (channel A) and **22** (channel B). The maximum flash power available at each channel can be reduced by 450J from maximum power ('full circle') to ('semi-circle' = minus 300J and 'quadrant' = minus 450J). Using dial **8**, a further 2 f-stops reduction in 1/10 increments can be achieved. This precise adjustment over 2 f-stops can be carried out starting from any f-stop setting ('full circle', 'semi-circle'). The flash power is displayed on LED Display **5** (channel A) and **11** (channel B), respectively.

In case of connecting 2 flash heads per channel, the maximum power provided by the power pack for each channel (600J) is distributed symmetrically over the connected heads (300J per flash head).

Flash power control

Each of both switches **20** and **22** allows a maximum flash power reduction of 450J. A further 2 f-stop reduction in 1/10 increments can be achieved using dial **8**. This covers a range of 5 f-stops for symmetrical operation (1200J to 38J) and 4 f-stops for asymmetrical operation (600J to 38J).

The flash output is shown on the two digits 7-segment display **5** for symmetrical operation, and on both LED Displays **5** and **11** separately for each channel in case of asymmetrical operation (see table 1 and 2).

8:
Dial for precise flash power setting

5, 11:
LED-Displays

**Tab.1: Symmetrical operation (A+B)
with 1 flash head on channel A or B**

Switch 20	Switch 22	LED*	Power (J)
1/1	1/1	10 – 8.0	1200 - 300
1/1	1/2	9.5 – 7.5	900 - 225
1/1	1/4	9.3 – 7.3	750 - 188
1/2	1/2	9.0 – 7.0	600 - 150
1/2	1/4	8.5 – 6.5	450 - 113
1/4	1/4	8.0 – 6.0	300 - 75

**Tab.2: Asymmetrical operation (A↔B)
with 1 flash head per channel**

Switch 20	Switch 22	LED*	Power (J)
1/1	1/1	9.0 – 7.0	600 - 150
1/2	1/2	8.0 – 6.0	300 - 75
1/4	1/4	7.0 – 5.0	150 - 38

*: power output displayed on the LED and output range adjustable using dial **8**

READY

FC

AUDIO

Flash readiness

Flash readiness of the power pack is shown by

- READY control lamp **12** turns on (green light)
- Modeling lamp turns on when Flash Check mode is activated (switch **7**)
- Acoustical signal, when AUDIO **6** is switched on.

APD system

In case of reducing the flash power, the stored energy will be discharged by APD-system (Automatic Power Drop). No flash will be triggered. After switching off power packs will be automatically discharged.

**10:
LAMP**

Modeling lamp

The modeling light is turned on and off, respectively, using LAMP switch **10**. Turning on of the modeling lamp will be only effective, if the modeling lamp of the connected flash head is switched on.

**10:
FULL
PROP**

FULL/PROP

When switch **10** is set to „FULL“ position, the maximum output of the modeling lamp is achieved.

To have proportionality between modeling lamp and flash power output switch **10** has to be set to „PROP“.

The mode of operation is indicated by the control LED.

If there is no light at the control LED the modelling lamp is switched off.

Dim Mode

The dim mode is intended to prolong the life span of the modeling lamp. If the modeling lamp level is adjusted to FULL or to PROP between 10. 0 and 9.1, the output is automatically dimmed by approximately 1 f-stop after stopping working with the flash unit for longer than 35 minutes (default value). Pressing any button you like switches the modeling light to the previously adjusted undimmed level. If required, this default value can be changed by entering a value from 5 minutes up to 95 minutes. For doing this, press dial **8** to enter a new value shown on display **5**. Wait for 3 seconds and the display changes to the flash power setting.

**7:
FC**

Flash Check

If this mode is switched on using switch **7** (LED indicator lights up), then the modeling lamp is turned off after a flash and is turned on after recharging to the adjusted power level. This shows correct charge as well as readiness to flash.

The flash check mode guarantees that the flash heads have triggered when more than one flash unit is used.

**6:
AUDIO****Audio**

Readiness to flash after charging is signalled with a tone. This tone can be turned on (control LED lights up) or off using the AUDIO switch **6**.

**3:
SLOW****Slow charging**

By pressing button **3** the charging time can be doubled. This provides more flashes per accumulator charge.

**15:
TEST****Test flash**

By pressing button **15** test flashes can be released. The green light of the LED control lamp **12** signals readiness to flash.

**5, 11:
LED-Displays****Trouble shooting**

The following errors are shown on both LED Displays **5** and **11**:

- E1: Overheat
- E2: Overcharge
- E3: No ignition

Radio flash trigger and power control system **Strobe Wizard Plus**



The Pro Mini 1200 AS Power Pack is equipped with a built-in Radio Receiver. For flash triggering and flash power control the power pack comes with the Radio Transmitter Strobe Wizard Plus.

The radio technology allows you to operate independent of environmental factors like ambient light that interfere with the receiver. You can even trigger flashes if your flash units are out of sight and over long distances (> 40 m free visibility).

The Strobe Wizard Plus transmitter has no built-in main switch for switching the unit ON. The radio transmitter has to be connected with the camera using the provided synchronization cable (use sync socket **28**) or by attaching the transmitter to the Hot Shoe of the camera, respectively. If it is connected to the Hot Shoe the unit must be carefully tightened using locking screw **29**. Using the lateral sliding switch **26** the working channels 1, 2, or 3 can be selected or switched to ‚All‘.

4:
RC/CH

Pressing button **4** of the Pro Mini 1200 AS Power Pack activates the built-in Radio Receiver (Control LED lights up). Repeated pressing (> 3 sec) switches to the mode for working channel selection: On the LED display **5** appears ‚CH‘ and the number of the currently chosen working channel (1, 2, or 3). Turning dial **8** allows to scroll between the channels. Remains the setting of the working channel unchanged for more than 3 seconds, the channel is selected and the display changes to flash power setting.

TEST

By striking the „Test“ key **27** 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‘ was selected on the Radio Transmitter. In total, 3 working channels are available.

Besides flash triggering there are also options for adjusting the flash power and modeling lamp available:

- (1) Pressing button **23** and **24** allows to decrease (**23**) and increase (**24**) the flash power in 1/10 increments, respectively.
- (2) By pressing button **25** for longer than 3 seconds the modelling lamp can be switched ON or OFF.

All these parameters go either for all flash units or the selected working channel.



For increasing the range, the antenna of the Pro Mini 1200 AS power pack can be exchanged by a more sensitive one.

8 Maintenance

Pro Mini Plus Generator

Pro Mini 1200 AS 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 all connected appliances (Flash Heads, Charging Units).

Caution:

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 the event of difficulty notify your dealer.

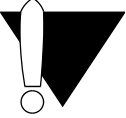


Replacement of fuses

In case of a broken fuse replace fuses only, when the unit is switched off and separated from lamp heads and charging units. Only use fuses with the required value (10A quick, 10AF).

Fuses for Flash Heads:

	Ue = 230 V	Ue = 115 V
300W Halogen lamp	2 AF quick	4 AF flink
650W Halogen lamp	4 AF quick	-----

Attention:

Never repair or bridge fuses. Only use fuses according to IEC 127-2/1 and EN 60127-2/1, respectively (ceramic tube).

Strobe Wizard Plus

The HENSEL radio 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 **30** 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 towards the Power Down button **23**.

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.

9 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.

10 Accessory

Accessory available for Pro Mini 1200 AS Power Pack:

- Antenna, length 49 mm, Item no. 9323001
- Antenna, length 171 mm, Item no. 9323003
- Flash head EH Pro Mini, Item no. 3605
- Flash head EH Pro Mini 1200 P, Item no. 3604
- Flash head extension cables
EH Pro Mini: 5m, 7m and 10m, Item no. 7902 - 7904
EH Pro Mini 1200P: 5m, 7m and 10m, Item no. 5791 - 5793
- Strobe Wizard Plus Transmitter, Item no. 3950
for flash triggering and radio control
- Spotlights
- Reflectors, Softboxes
- Umbrellas

Before connecting flash heads, the maximum admissible load must be observed.

11 Customer Service

Works customer service

with 24 hours express service:

HENSEL Studiotechnik 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

12 Certificate of Conformity for Electromagnetic Compatibility and Safety

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

Test Report: of September 01, 2006

Products: **Pro Mini 1200 AS 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, 2006

Manufacturer



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



HENSEL®

STUDIOTECHNIK

performing light

HENSEL Studiotechnik
GmbH & Co. KG
Robert-Bunsen-Str. 3
D-97076 Würzburg-Lengfeld
GERMANY

Tel./Phone: +49 (0) 931/27881-0
Fax: +49 (0) 931/27881-50
E-Mail: info@hensel.de
Internet: <http://www.hensel.de>