

LENCARTA

Lighting Your Way

SUPERFAST

freeze THE action

INSTRUCTIONS FOR use
300 & 600

www.lencarta.com
0845 618 2889



congratulations!

welcome to our most
advanced FLASH
system yet,
THE **SUPERFAST.**

The instructions in this manual apply
to both our 300Ws and 600Ws models,
the controls are identical.

ENJOY!



The rear panel controls are simple and intuitive.

- 1** The **modelling lamp** can be set to any power, and is independent of the flash power setting.
- 2** The **modelling lamp, ready beep** and **slave cell** can all be switched on or off.
- 3** The **optional radio receiver/remote control** plugs into a USB port, which powers the receiver.
- 4** The **sync socket** can be used with a non-dedicated radio trigger or with a sync lead.
- 5** The **mains socket** has a 5Amp fuse (300Ws) or an 8Amp (600Ws) situated immediately above it.
- 6** The **stand locking screw** secures the flash head to the stand.
- 7** The **LCD digital display** shows the power, which can be set in 1/10th stop increments.
- 8** The **power adjustment** is digital.
- 9** The **test button** can also be used for open (non-synchronised) flash.
- 10** The **on/off switch** controls all electrical functions.



The **slave sensor**, is switched on or off from the rear control panel. It responds to another flash and so allows any non-synchronised flash heads to operate as a slave when switched on. There is a choice of S1 and S2 slave modes. S1 causes the SuperFast to fire in response to another flash, whereas S2 ignores the first flash, and responds to the second flash. S2 mode is ideal when needing to respond to an iTTL or eTTL speedlight being used as a trigger. To change from S1 mode to S2 mode, or vice versa, simply press the slave button until it displays the required mode. A blue indicator light above the slave button shows that it is in S2 mode, a red light above the slave button shows that it is in S1 mode. If the light is not showing at all, slave mode is disabled.

The SuperFast flash heads accept the full range of Lencarta/Bowens S-fit accessories and light shapers. Simply press and hold the orange catch whilst removing the accessory.



SuperFast flash heads are fitted with a 150watt modelling lamp. The safety cover, shown on the left, provides additional protection in the unlikely event of bulb breakage, and must always be used.

To adjust the tilt, simply loosen the tilt handle and tighten it again to lock the position. Pull out and twist the handle to adjust its position.



When used at high power settings, the SuperFast behaves in the same way as other high-specification flash heads, except that the flash duration is shorter than most, allowing even fairly fast action to be frozen by the flash.

Their main advantage however, is that when the power is turned down, the flash duration and the recycling time become progressively shorter. Both the flash duration and the recycling time halve each time the power setting is reduced by one stop. So, to get the fastest flash and the fastest recycling time, reduce the power as much as possible.

The reason that both the flash and the recycling time become extremely short as the power is reduced is that the SuperFast utilizes the same advanced IGBT technology as hotshoe flash guns.

IGBT is the abbreviation for Insulated-gate bipolar transistor technology. When IGBT technology is used, the flash always fires at full power (unlike conventional flash heads, where the power is reduced in line with the power setting). When the power setting is reduced, the duration of the flash is reduced by quenching, or cutting the flash short. This not only creates incredibly short flash durations but also saves the unused power, which means that at low power settings it takes only a tiny fraction of a second before the flash is ready to fire again.



Using your camera in continuous mode

The extremely fast recycling at lower power settings allows the Superfast flash heads to be used in continuous shooting mode. This allows images such as these shots with a water filled balloon, to be produced easily, by capturing the action in a burst of consecutive shots. The SuperFast, when used at low power settings, can recycle quicker than any camera currently available.



Safety warning

SuperFast flash heads are fan cooled and also incorporate a safety cut-out in case of overheating. However, they do become hot when used continuously, and must be allowed to cool down after firing a burst lasting 3 seconds or more. The recommended cooling period is 10 minutes.



Shutter sync speed

As with all studio flash heads, the maximum synchronisation speed that can be set on the camera is determined by the shutter fitted to the camera, it is not in any way dependent on the flash head. Therefore, please refer to your cameras instruction manual if you are unsure about the fastest usable shutter speed.

1. Do not disassemble the flash unit. The Lencarta SuperFast is a precision instrument. It contains high voltage components. Unauthorised tampering with the unit is dangerous and will void its warranty.
2. Do not leave the unit unattended when switched on.
3. To avoid risk of overheating, switch the unit off once the current studio session is complete.
4. Do not use non-approved modelling lamps. Always use modelling lamps of the correct wattage to prevent damage.
5. Do not leave modelling lamps switched on when using restrictive lighting tools such as honeycombs or spotlights. It will overheat and may be damaged.
6. Always switch the unit off when fitting or removing modelling lamp or cables.
7. Always remove the protective head cap before operating the unit.
8. For indoor use only. The SuperFast should be used in a dry, well ventilated environment.
9. Keep the flash tube and modelling lamp clean. Gently remove any dirt with alcohol.
10. Do not touch the flash tube with bare hands.
11. Fire the flash at least once every two months to prolong its life span.
12. Do not expose the unit to rain, vapour or excessive dust. Keep it away from sources of fire and heat, including strong direct sunlight. Do not leave the unit in a car in hot weather.
13. When working under high humidity, turn on the modelling lamp to dissipate any condensation that may have gathered on the flash tube before using the flash.

SETTING UP
YOUR SUPERFAST

The flash unit arrives with a protective cap fitted. This cap is designed to protect the delicate flash tube during transit and we strongly recommend that you keep this cap on whenever the flash unit is not in use. You must remove the protective cap when you are using the SuperFast.

wavesync
commander system
remote • control

INSTRUCTIONS FOR USE

The flash will still be triggered even if the two Selector Dials are not on the same setting, but the remote control functions will not operate unless they are set the same.

Insert 2 type AA batteries into the transmitter. Both alkaline and rechargeable batteries can be used. Fit the transmitter to your camera hotshoe, as shown.



Switch the transmitter on, using the on/off switch mounted to the left hand facing side of the transmitter unit.

With the flash head switched on, and the power set to any setting from 5 – 10, the flash should operate if you either release the camera shutter or press the 'test' button. A red LED, above the test button, should flash momentarily, together with a red LED on the receiver unit.



Remote control buttons

1. The **SET** button is not used with the SuperFast flash heads
2. The **BEEP** button, when pressed, switches the recycling beep either on or off
3. The **LAMP** button, when pressed, switches the modelling lamp either on or off
4. The **TEST** button, when pressed, fires the flash
5. The **-** button reduces the power setting of the flash head. Each press of the button reduces the power by 1/10th, and finally to off. The setting is displayed on the LCD screen. If the button is held down it will continue to adjust the flash power, and the power setting will be displayed on the LCD display as soon as the button is released.
6. The **+** button increases the power setting of the flash head, and operates exactly as above.

The Transmitter Selector Dial can be used to control the various settings on any number of flash heads.

1. To control **one flash head**, set the Selector Dial to the same number or letter on both the Transmitter and the Receiver.
2. To control **more than one flash head**, and to operate each of them with identical settings, set the Selector Dial to the same number or letter on both the Transmitter and each Receiver.
3. To control **more than one flash head**, and to operate each of them **with different settings**, set a different number or letter on each receiver. Select the required flash head by setting the appropriate number or letter on the Transmitter Selector Dial, adjust the settings for that flash head as required and then adjust the settings of any other flash heads.

Shutter sync speed

As with all studio flash equipment, the maximum synchronisation speed that can be set on the camera is determined by the shutter fitted to the camera, it is not in any way dependent on the flash head.

Therefore, please refer to your camera instruction manual if you are unsure about the fastest usable shutter speed on your camera.



Our warranty is 36 months and covers all components (except bulbs) and includes labour. Physical damage and damage caused by failure to remove batteries is not covered by our warranty.

All Lencarta products are fully compliant with both ROHS and EU standards and have been issued with the necessary certificates. We are also fully compliant with WEE Regulations and are happy to accept any Lencarta electrical products for recycling, once they have reached the end of their useful life.

Should you have any problems with your SuperFast you can contact us using the details below.

TEL: 0845 618 2889

Email: SUPPORT@Lencarta.com

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LENCARTA

Lighting Your Way

COMPANY NO. 05750369

VAT NO. GB 898 3998 22

REG. ADDRESS

UNIT 3A MOHAIR MILLS

GIBSON STREET

BRADFORD BD3 9TR

www.lencarta.com

0845 618 2889

Welcome to your new Lencarta Wavesync Commander System for use in conjunction with the with Lencarta SuperFast flash head.

Features:

1. Combined radio trigger and remote control.
2. 'Zero delay' electronic circuitry allows the maximum sync speed of the camera to be used if required.
3. Transmitter uses 2 x standard AA batteries.
4. Receiver draws its power from the USB socket fitted.
5. 50 metre range, subject to environmental conditions.
6. 16 separate channels.



The transmitter slides into the camera hotshoe, with the controls facing the rear of the camera. It will work with any type of hotshoe except for the proprietary Sony/Minolta hotshoes, for which an adapter is needed. Once fitted, the knurled locking wheel should be gently tightened. Please note that over-tightening can damage the unit, and can also prevent reliable operation.

The radio receiver is powered by the USB port on the control panel of the SuperFast flash head, so no batteries are required. The USB connection folds neatly away when not in use.

The channel settings, near the top of the receiver, need to be set to correspond with the channel settings on the transmitter.

The only other adjustment fitted to the receiver is the Selector Dial. This receives the settings from the transmitter unit.

If just one flash head is in use, the selector can be set to any setting from 0-9 or A-F. For the unit to act as a remote control, both of the selector dials must have the same setting.