Operating Instructions
Bedienungsanleitung
Mode d'emploi

VISATEC ®

®

LOGOS   800
LOGOS   1600

www.visatec.com

Operating Instructions

V I S A T E C
LOGOS 800 / 1600

Before use

We are pleased you have chosen a VISATEC LOGOS which is a high-quality product in every respect. If used properly, it will render you many years of good service. Please read all 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.
Observe the safety instructions.

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Important safety instructions ⚠️

VISATEC flash light systems should exclusively be utilised for professional flash light systems by qualified personnel. Before starting up your flash light equipment read carefully all the information in your operating instruction. The safety instructions in the operating instructions must be imperatively followed!

- **Read and understand all instructions before using!**

- **Remove the transport protection and the packing material**

- **Close supervision is necessary when any appliance is used near children. Do not leave the flash light appliance unattended while in use!**

- **Flash light contains, similar to sunlight, a specific portion of UV radiation! The undesirable side effects on skin and eyes are considerably reduced by using flash tubes or protecting glasses with UV safety measures! Nevertheless, taking pictures at close distances with unprotected skin and eyes should be avoided! Also avoid eye contact with the light source! The maximum daily UV radiation according to IEC 60335-2-27 / DIN 5031-10 is: 50 J/m^2. This value should not be exceeded!**

- **With due allowance for heat radiation, the distance between the monolight and a person or between the monolight and inflammable respectively heat sensitive surfaces should be at a minimum distance of 1 m!**

- **Prior to replacing flash tubes, halogen lamps, protecting glasses or fuses, disconnect the monolight and the lamp from the power supply! Prior to replacing the halogen lamp or the flash tube, the monolight should cool down for 10 min.!**

- **VISATEC flash light systems should only be equipped with original VISATEC flash tubes, original VISATEC combustible and packing material, original VISATEC accessories, and also original VISATEC spare parts!**

- **VISATEC flash light systems, lamps and accessories meet an extremely high safety standard! When connecting VISATEC units to accessories of other brands, integrated safety measures may become ineffective! Due to different design features and contact assignment of the products of other brands, the user himself/herself may even be at risk. We offer no guarantee and accept no liability for damages which may be caused by this type of usage!**

- **To avoid the risk of fire, electric shock or injury to persons utilise exclusively the accessory recommended by the manufacturer!**

- **Check that the mains voltage corresponds to the information on the type plate of the unit!**

- **The flash light equipment is designed for use in dry conditions and in an ambient temperature from 0°C to 35°C! The flash light equipment has to be protected from wetness, condensation, from dripping and splash water, humidity, dirt, sand, metal chips and exposure to dust!**

- **Protect the flash light equipment from electromagnetic fields, shock and vibration!**

- **Protect the flash light equipment from heat and frost! If the monolight freezes continuous loss of power output and serious technical damage can result!**

- **Sudden temperature differences can cause condensation water in the unit! In such situations the equipment must stay for 1 hour in a well ventilated place to get acclimatise to the new temperature before startup!**

- **Do not operate the units in an environment where there is a risk of explosion!**

- **The monolight should not be operated in or near water! Attention: high voltage!**

- **The monolight and the lamps should not be immersed in water or other liquids! It could cause an electric shock!**

- **Remove the transport protection cap on the front side of the monolight before connecting it!**

- **For safety reasons, never operate the monolight without the protecting glass in place! UV-coated protecting glasses or UV-coated flash tubes must be utilised as a protection against UV radiation for eyes and skin!**

- **Before operation the monolight has to be fastened on a stand or a suspension device! The monolight must be locked by tightening the mounting screw!**

- **Only sand-filled fuses of the type indicated on the safety type plate may be used with these monolight, as a protection for the halogen lamp! Sand-filled fuses can be identified by their opaque fuse body! With incorrect fuse protection the halogen lamp may burst!**

- **Filters or diffusors should not be fastened directly on the flash tube, halogen modelling lamp or protecting glass!**

- **Do not operate appliance with a damaged earthed cable. Cables which are damaged or twisted must be replaced!**

- **The unit must only be connected to an earthed socket, or an emergency power generator and an earthed extension cable!**

- **If an extension cable is necessary, a cable with a current rating at least equal to that of the appliance should be used. Cables rated for less amperage than the appliance may overheat. When using a cable reel, it must be completely unrolled before use to prevent overheating of the cable!**

- **The unit is suitable for operation with a motor generator provided that the voltage lies within all the load conditions (including capacitive load) and within the tolerance limit of 200-264 V respectively 95-135 V! From experience this means that only electronic stabilised motor generators are to be utilised! When operating on unstabilised motor generators, voltage peaks of 300 V and more have been observed! This can lead to damages for which we assume no liability!**

- **Do not operate the lamps inside a bag or a box!**

- **The ventilation slots on the unit or on the lamp should not be covered!**

- **Pay attention when laying, clearing away or rolling up cables that the do not contact hot surfaces or parts of lamps and that they will not be tripped over by persons!**

- **Do not touch the connection socket for mains cable and lamp outlets on the monolight and do not poke in it with metal objects!**

- **Flash tubes, modelling light, halogen lamps and protecting glasses heat up to a high operating temperature, this also applies to the front side of the monolight! Therefore the attachments also assume also temperatures! Handle with care! Contact with hot components can cause injuries!**

- **Do not come into contact with glass or metal whilst operating the flash light system!**

- **Let the unit cool completely after use and before packing!**

- **Always unplug appliance from electrical socket before cleaning and servicing and when not in use! Never jerk cable to pull the plug from the socket. Grasp plug and pull to disconnect!**

- **Dropped or damaged units or lamps must be checked by a specialist before reconnection!**

- **To reduce the risk of electric shock, do not open this appliance, but take it to a qualified service person when service or repair work is required. Incorrect reassembly can cause electric shock when the appliance is used subsequently!**

- **Shipping instructions LOGOS 800/1600:**

  Use original VISATEC packing for the transport of the monolight! Before shipping flash tubes, halogen lamp and protection glass pack them with our protective pack material (foam plastic and transport cap). If the protective packaging material is incomplete available, remove flash tube, halogen lamp and protection glass from the monolight and send them separately!

Controls and displays

Monolight LOGOS 800   **art. no. 51.040.00 / 51.041.00**
Monolight LOGOS 800 RFS   **art. no. 51.042.00 / 51.043.00**
Monolight LOGOS 1600   **art. no. 51.050.00 / 51.051.00**
Monolight LOGOS 1600 RFS   **art. no. 51.052.00 / 51.053.00**

1.   Sync socket (when required, usable as connection socket for computer link)

2.   Sync socket

3.   Photocell on / off

4.   Modelling light on / off

5.   Test release, ready display green

6.   Connection socket for mains cable

7.   Fuse

8.   Energy control up / down

9.   Mains switch on / off

10.   Digital flash energy display

11.   Auxiliary functions (aux)

12.   Operating mode modelling light

13.   Flash sequence

14.   Charging dimmer

15.   Buzzer

16.   Slow charge

17.   Photocell

18.   Appliance address (for LOGOS 800 RFS / LOGOS 1600 RFS)

Front panel for LOGOS 800 / 1600
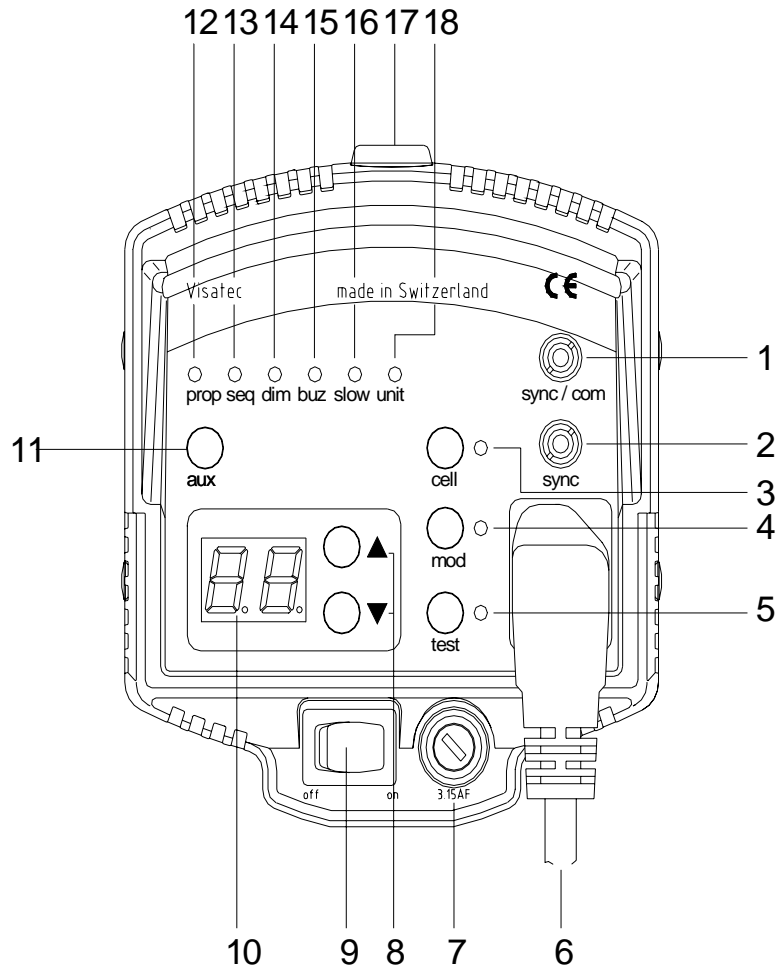
1. Application LOGOS

This mains supplied studio flash is designed for professional photography. For your own safety, use a three-wire extension cable when required.

2. Start up

2.1 Mains voltage

The monolights LOGOS 800 and LOGOS 1600 are available in two different versions:

a) As a bi-voltage unit, of which the technical data are optimised for a mains voltage of 200 - 240 V. If this version is operated with a mains voltage of 100 – 120 V, a doubling of the charging time results.

b) As an unit, which is exclusively designed for mains voltage of 100 - 120 V.

2.2 Earthed mains

Connect unit to current supply always using an earthed mains plug.

2.3 Start up

Flash tubes, modelling light, halogen lamps and protecting glasses heat up to a high operating temperature! This also applies to the front side of the monolight! Therefore the attachments also assume also temperatures! Handle with care! Contact with hot components can cause injuries! For this reason, we recommend to touch the unit only on the handle at the rear or on the stand adapter. The distance between the monolight and a person or between the monolight and inflammable respectively heat sensitive surfaces should be at a minimum distance of 1 m!

1.) Remove the grey plastic protecting cap by turning and releasing the unlocking slide at the same time. Insert modelling lamp and flash tube as per instructions in chapter 8. Put on the protecting glass as well as the desired light shaper and turn in any direction.

2.) Please check that the mains supply corresponds to the information on the label of the unit. Connect unit to earthed mains.

3.) Switch on the unit with the mains switch (9). During charging, the digital flash energy display (10) flashes, afterwards the value is indicated continuously. Additionally the green control lamp of the ready display (5) is illuminated.

4.) Set the desired flash energy by means of the energy control keys "up / down" (8).

5.) Switch photocell (17) on or off, depending on the exposure situation.

6.) If required, plug in synchronous cable in one of the sync sockets (1) or (2).

3. Energy control

Use the "up / down" keys (8) to control the flash energy (flash intensity) within a range of 4 f-stops. A value of 10 indicates maximum intensity, 6 the minimum. Whole numbers correspond to whole f-stop intervals, decimal places to tenth f-stop steps.

Brief pressure on the energy control keys "up / down" (8) changes the setting by a 1/10 interval, prolonged pressure by 1/1 f-stop interval. The energy display (10) then flashes until charging or discharging have stabilized the new level of energy.

4. Modelling light

4.1 General

The LOGOS compact units are equipped with a very bright 150 W halogen modelling lamp. The modelling light is switched on by the key "mod" (4). When switched on, the green diode lights up.

In chapter 7 you can find the instructions how to set the different operating modes (modelling light proportionality).

Attention: Please note, the voltage of the modelling lamp must correspond with the mains voltage.

4.2 Proportionality

The brightness of the modelling light can be set proportionally to the flash intensity. To assure proportionality also when units with different power output ratings are operated together, the units have various proportionality levels. Proportionality is guaranteed if the identical prop level has been set for all units. The higher the digit, the brighter the modelling light. The proportionality levels of the LOGOS monolights are compatible with those of the broncolor units.

The following operating modes are possible:

"P"   This level can be set if either only LOGOS 800 or only LOGOS 1600 are in use (most intense proportional modelling light). That means, the modelling light is proportional to the energy level 300J respectively 600J.

"P1"   weak proportional modelling light, applicable for all types of units

"P2"   recommended modelling light when using LOGOS 1600 (also in combination with LOGOS 800)

"P3"   recommended modelling light when using only LOGOS 800

"P4/5" If an unit is operated at a lower output level, the modelling light will be relatively weak and yellowish. To counteract this problem, the LOGOS monolights are equipped with two additional modelling light proportionality levels: "P4" for 150 J

or less and "P5" for 75 J or less. Thus the brightness of the modelling light can be increased.

"HI"   The unit operates at full modelling light, independent of flash output.

"LO"   The unit operates at lower lighting level, independent of flash output, to reduce power consumption and extend the service life of the halogen lamps.

Pressing the "mod" key (4) for 1 second when the modelling light is on, will give direct access to the "HI" mode. To return to the previous mode briefly press the "mod" key.

The halogen lamp can be plugged in; when exchanging, do not touch the lamp with bare hands. Please note that the flash tube must be pulled out before exchanging the halogen lamp.

4.3   Replacing halogen lamps

Attention: Prior to each exchange of the halogen lamp, the monolight must be fired down and immediately afterwards disconnected from the mains! Before exchanging the modelling lamp let the monolight discharge and cool down for 10 min.! For your safety, only original flash tubes must be used!

The halogen lamps are plug-in.

To change the halogen lamp, pull the protecting glass straight along the lamp axis, without tilting. Afterwards pull the flash tube straight along the lamp axis, so that the halogen lamp can be replaced. Taking the service life into consideration, the halogen lamp should not be handled with bare hands. To change the lamp, pull it also straight along the lamp axis.

When inserting be sure that the halogen lamp and the flash tube are fully pushed in. Then the protecting glass must be mounted.

5. Release

The flash release is enabled when 85 % of the selected energy is available. Please note, however, that the ready indicator is activated only at 100 % charge (chapter 6). The release is possible by means of a sync cable, photocell or the manual release key.

5.1   Photocell (cell)

The photocell can be switched on or off by using the "cell" key (3). If it is activated the green LED lights up. After a flash sequence, an active photocell will be blocked and the green LED blinks. By pressing the "cell" key, the photocell is reactivated.

When releasing via the photocell, ensure that the receiving cell of the unit it not obstructed by obstacles.

Because the photocell is also infrared-sensitive, the monolight can be wirelessly released in a simple way by using a small flash unit with an infrared-permeable filter in front, mounted onto the camera. The VISATEC flash trigger is available under article number 56.200.00.

5.2 Sync sockets

The synchronous cable, art. no. 54.104.00, may be plugged into the sync sockets (1) or (2) to release flashes via cable.

The appliance has a synchronous circuit with a low onload voltage to preserve your camera contact. The synchronous circuit may not be connected in parallel with products of other manufacturers which operate with high synchronous voltage.

5.3 "Test" key

This "test" key (5) allows manual release of the monolight LOGOS. The respective LED lights up, when the flash voltage corresponds exactly to the selected value. During charging and discharging, the LED goes out and the output display blinks.

6. Ready display visual / audible

6.1 **The visual ready display** is the green LED at the "test" key (5). It lights up only when the unit is at 100 % charge. After releasing the flash, this LED goes out until the unit is fully charged again.

6.2 **The audible ready signal** "buzzer" sounds when the unit is at 100 % charge. It may be switched on or off (chapter 7).

6.3 **Audible fault signal**

When the flash discharge fails, a warning signal of approx. 3 s duration will sound and the display (10) of the monolight will flash.

7. Setting additional functions

The "aux" key (11) is used to set the additional functions. With repeated actuation of the key the following modes can be selected:

- Setting proportionality level of the modelling light   LED "prop" blinks (12)
- Define sequence (serial flashes)   LED "seq" blinks (13)
- Charging dimmer switch on / off   LED "dim" blinks (14)
- Buzzer switch on / off   LED "buz" blinks (15)
- Slow charge switch on / off   LED "slow" blinks (16)
- Setting appliance address / studio address   LED "unit" blinks (18)
- Return to standard display   no LED blinks

After the setting has been performed, the standard display can be re-activated by pressing the "aux" key (11) or automatically after a waiting period of approx. 30 seconds.

To select the additional functions and appliance settings, choose the respective LED (eg "charging dimmer switch on / off"). The digital display (10) will then show the actual selected value which can be changed by the energy control keys "up / down" (8). If a setting is entered which deviates from the standard setting value or a function is activated, the respective LED will remain lit as a reminder after the display returns to standard (exception: functions "prop" and "unit").

If the unit is switched off and on again, it will be in the "standard display" mode. Previously set additional functions are retained.

7.1 Setting proportionality level of the modelling light (prop)

The proportionality level of the modelling light can be selected by briefly pressing the energy control keys "up / down" (8). With repeated actuation of the key the following modes can be set, each shown respectively on the digital display (10): P, P1, P2, P3, P4, P5, HI, LO.

7.2 Sequence (serial flashes) (seq)

This function allows to set a defined number of flash discharges from 1 to 50. By briefly pressing the energy control keys "up / down" (8), the required number of flashes can be selected. With a long pressure on the energy control keys "up / down" (8), the setting changes in intervals of ten. Each release signal triggers the selected number of flashes. A current sequence can be aborted by a long pressure on the energy control keys "up / down" (8) or by switching off and on again the unit.

7.3 Charging dimmer / boost function (dim)

The "dim" function can be switched on or off (on/--) by briefly pressing the energy control keys "up / down" (8). When switching on the "dim" function with the modelling light on (green LED of the "mod" key (4) lights up), the modelling light switches off while charging takes place. This feature allows visual flash control, to fade out the modelling light during flash sequences or to reduce the current load on weak mains.

If the "dim" function is activated when the modelling light is switched off (green LED of the "mod" key (4) is off), the boost function will be activated. In this mode, the modelling light remains on as a visual flash monitor during charging.

7.4 Buzzer switch on / off (buz)

The ready buzzer signals when the unit is at 100 % charge. The buzzer is switched on or off (on/--) by briefly pressing the energy control keys "up / down" (8). The warning signal also functions with the buzzer switched off.

7.5 Slow charge switch on / off (slow)

In case of weak mains power supply lines, charging time may be extended to approx. double the standard value. The slow charge mode is switched on or off (on/--) by briefly pressing the energy control keys "up / down" (8).

7.6   Studio / appliance address (unit)

The monolights LOGOS are also available as versions with built-in RFS Interface (**R**adio **F**requency **S**ystem). For remote control respectively flash release via radio, an individual appliance address and a studio desk top (remote control channel) can be assigned to each RFS unit by means of the function "unit" (18).

To carry out the settings, dial the LED "unit" using the "aux" key (11). The digital display (10) shows the letter "U", followed by an appliance number between 1 and 8. By briefly pressing the energy control keys "up / down" (8), the required value can be selected. When pressing again the "aux" key (11), the digital display (10) shows the letter "C", followed by a studio number between 1 and 8. By briefly pressing the energy control keys "up / down" (8), the required value can be selected.

8. Flash tube

The flash tube is coated to ensure an optimal colour temperature. For your security, only original VISATEC flash tubes must be used. For safety reasons, never operate a unit without protecting glass in place.

If the monolight LOGOS 800 is used for longer flash sequences, we recommend to employ the flash tube for LOGOS 1600 / SOLO 1600B - Art. no. 54.301.00.

8.1   Replacing the flash tube

Attention: Prior to each exchange of the flash tube, the monolight must be fired down and immediately afterwards disconnected from the mains! Before exchanging the flash tube, let the monolight discharge and cool down for 10 min.!

The flash tubes are plug-in.

1.) To replace the flash tube, discharge the unit by flashes, disconnect it from power supply and let it cool off for ten minutes (to discharge the flash capacitors).

2.) Remove the protecting glass.

3.) First pull out the ignition cable and then the flash tube (do not touch the flash tube with bare hands).

4.) Insert the new flash tube.

5.) Re-insert the ignition cable.

6.) Replace the protecting glass.

7.) Connect the unit to the power supply, now it is ready for use again.

9. Protecting glass

For your security, only original VISATEC protecting glasses must be used!
For safety reasons, never operate the monolight without protecting glass in place.

10. Fuse

The fuse (7) is located on the rear of the unit. Sand-filled fuses with value 3.15 AF may only be used (sand-filled fuses can be identified by their opaque fuse container). Using wrong fuses is dangerous; it may cause the halogen lamp to burst. Original VISATEC replacement lamps are therefore delivered with the correct fuse.

11. Basic settings ex work

The basic settings ex work can be viewed and in some instances changed with the following procedure:

When the unit is switched on, simultaneously press the "mod" and "aux" keys for approx. 5 seconds (the LED array "prop" / "seq" / "dim" / "buz" / "slow" / "unit" blinks to indicate that you are in the programming mode).

Additionally the LED of the "mod" key is lit. The digital display shows the function number 0. The other function numbers can be selected by pressing the energy control keys "up / down" (8).

By briefly pressing the "aux" key, the digital display shows the actual value respectively the actual setting within the selected function number. The LED of the "mod" key does not light up in this mode. Within the function numbers 1 and 7, the settings can be changed with the energy control keys "up / down" (8). Concerning the function numbers 0 and 2 – 6, the different pairs of these multiple digit values can be shown by means of the energy control keys "up / down" (8).

Return to normal operation by pressing (1 s) the "aux" key, by switching the unit off and on again or automatically after a period of 20 seconds.

Function number	Meaning and possible settings
0	<u>Program version</u>: Standard display <u>Program number</u>: after pressing the energy control "down" key (8)
1	RFS Interface switch on / off (only for RFS versions): Setting ex work: "on" (LED "unit" is lit). With RFS Interface switched off, the digital display shows the value "--".
2	<u>Flash counter:</u> Figure group in the display: xxxx**XX** = Standard display Figure group in the display: xx**XX**xx = after pressing the energy control "down" key (8) Figure group in the display: **XX**xxxx = after pressing the energy control "down" key (8)
3	<u>Series number</u> of the unit: Figure group in the display: xx**XX**
4	<u>Series number</u> of the unit: Figure group in the display: **XX**xx
5	<u>Production date</u> of the unit: Figure group in the display: xx**XX** = month
6	<u>Production date</u> of the unit: Figure group in the display: **XX**xx = year
7	<u>Reduction of the modelling light</u>: Setting ex works: "off" (--) The activation of this function is recommended on power mains with great fluctuations. The voltage for the modelling lamp is reduced (light output ./. 1/3 f-stop), which results in a longer service life of the halogen lamp. If this function is activated, the digital display shows the value "on".

12. Protective facilities / Fault indication

12.1 Cooling fan

The cooling of flash tube, modelling lamp and internal electronics is effected by a cooling fan. It also runs when the modelling light is turned off. The cooling works on two levels, the fan runs smoothly when small flash sequences are effected. With longer flash sequences, the cooling fan switches to the higher level.

12.2 Display "th"

If excessively high temperatures build up inside despite the fan cooling, the charge mode will be blocked and a long audible signal will be generated. The modelling light is blocked as well for about 6 minutes. The digital display shows the indication "th" during the cooling period. The cooling process is accelerated by the fan which is still in operation.

Attention: **Do not switch off the unit during the cooling period!** If the unit is switched off too early, only a small number of flashes can be effected until the next blockout, when switching on again the unit, despite a long break, because the processor could not completely pursue the cooling process.

12.3 Display "A1"

The unit is equipped with an automatic afterglow blockout. If the flash tube exhibits (e.g. at the end of its service life) afterglow, this blockout will block further charging to prevent consequential damage. This status is also discernible by the ready display, which is no longer green. The blockout can be cancelled by switching the unit off and on again.

12.4 Display "A2"

This indication is shown, when the unit is overcharging. Switch off the unit and switch it on again after a few minutes. If this fault continues to exist, please contact an after-sales service centre.

12.5 Acoustic flash monitoring

At the end of their service life, flash tubes often have triggering interruptions. This fault is indicated by an audible, intermittent signal. The signal disappears when the flash tube flashes properly again or the unit is switched off.

12.6 Monitoring of the modelling light

If the monolights LOGOS are connected to 200 V – 240 V mains voltage, after previously having been operated on 100 V - 120 V mains voltage, they will release an audible signal and the modelling light will blink at a safely reduced voltage. This function serves as a reminder that the modelling lamp must be exchanged, and also to protect against damage of the lamp. Switch the unit off and on again to return to standard operation.

13. Mounting

The stand adapter is located below the housing. The adapter is designed for standard broncolor® bolts (12 mm) and Manfrotto® pins (16 mm). Make sure the unit is firmly attached to the stand before operating. The click-stops of the locking handle can be adjusted by pulling it out.

If the unit should be suspended without bracket on a broncolor® bolt, the enclosed locking pin must be screwed into the lower part of the stand adapter. This is not required for stand mounting.

Attention: A safety cable must be installed whenever the unit is suspended.

14. Umbrella holder

Diffusing and reflex umbrellas are used in conjunction with the umbrella reflector (art. no. 53.457.00). The umbrella bar is inserted into the special holder in the stand adapter.

15. Accessories

The monolight LOGOS is equipped with an interlocking VISATEC bajonet, which permits a 360° rotation of the mounted light shapers. For this reason, the whole range of VISATEC accessories assortment is at your disposal. You will find the complete overall view in the VISATEC system catalogue.

15.1 Mounting of barn doors

The barn doors are attached onto the fastening braces on the reflector.

16. Service / repair

Your VISATEC monolight is a precision device which will work for many years without malfunction if you take proper care of it. If nevertheless malfunctions do arise, please do not attempt to open the unit to repair it yourself. Even when the unit is switched off, dangerous voltages may remain within the interior of the device. Always leave service and repairs to the VISATEC after-sales service.

17. Technical data

	LOGOS 800 (art. no.51.040.00 / 51.041.00)	LOGOS 1600 (art. no.51.050.00 / 51.051.00)
Flash energy	300 J (100 V: 250 J)	600 J (100 V: 500 J)
F-stop at 1 m distance 100 ISO, standard reflector	45 (100 V: 32 7/10)	64 (100 V: 45 7/10)
Flash duration t 0.5 (t 0.1)	1/800 s (1/250 s) with mains voltage 110 – 240 V	1/600 s (1/150 s) with mains voltage 110 – 240 V
	Flash duration with mains voltage 100 V: approx. 20 % longer	
Charging time (for 100 % of the selected energy)	230 V / 50 Hz: 0,3 – 1,2 s 120 V / 60 Hz: 0,3 – 1,2 s 100 V / 50 Hz: 0,3 – 1,5 s	230 V / 50 Hz: 0,5 – 1,9 s 120 V / 60 Hz: 0,4 – 2,0 s 100 V / 50 Hz: 0,4 – 3,0 s
	Can be switched to slow charge mode	
	With LOGOS 800 / 1600 – version 230 V (bi-voltage)**:** Automatic adaptation to the respective mains voltage <u>Attention</u>: The above mentioned charging times for 100 – 120 V do **not** apply to the bi-voltage version.	
Controls	Illuminated digital display, LED line and keyboard	
Control range of flash energy (Japan: ½ f-stop less)	Over 4 f-stops in 1/10 f-stop increments (1:16)	
Modelling light	Halogen max. 150 W Proportional to flash energy as well as "full" and "low" settings. Proportionality adjustable to all VISATEC flash systems and the different output levels (except VISATEC LITEPAC).	
Flash release	Manual release button, infrared-sensitive photocell (can be switched off), sync cable, VISATEC flash release	
Ready display	Visual and audible (can be switched off), signals when 100% of selected energy is reached	
Flash monitoring	Visual: Dim and boost function for modelling light Audible: Buzzer	
Additional function	Sequence (serial flashes) up to 50 flashes	
Number of sync sockets	2	
Stabilized flash voltage	+/- 1,5%	
Cooling	Fan	
Standards	EC standard 73/23, UL 122	
Power requirements	200-240 V / 50-60 Hz: 6 A 100-120 V / 50-60 Hz: 10 A	
Dimensions (L x W x H)	120 x 195 x 276 mm 4.7 x 7.7 x 10.9 in.	120 x 195 x 276 mm 4.7 x 7.7 x 10.9 in.
Weight	2,6 kg / 5.7 lbs	3,1 kg / 6.8 lbs

18. VISATEC LOGOS RFS / LOGOS plus

The monolights LOGOS are also available as unit versions with integrated 8 channel RFS Interface (**R**adio **F**requency **S**ystem). Each channel (studio) can control up to 8 units. This interface allows remote control respectively flash release by radio via transmitter RFS as well as by means of a transceiver RFS via PC or Macintosh computer. When controlling via screen, 4 storage spaces for different lighting situations are at your disposal.

18.1 Modification to LOGOS RFS

There is the possibility, to modify LOGOS monolights later on with a RFS interface. The modification will be made by the customer service centre of our VISATEC agency in your country.

18.2 LOGOS plus
Because of the laws in some countries, the use of the VISATEC radio system is not allowed. Therefore the LOGOS monolights are also available in the version LOGOS Plus (that means with cable remote control). Besides the cable connection between the monolight and the computer, the applications with RFS is almost identical.

Attention: There is no camera transmitter available for LOGOS plus!

18.3 <u>Technical data</u>

	LOGOS RFS (art. no. 51.042.00 / 51.043.00) (art. no. 51.052.00 / 51.053.00)	LOGOS plus
Remote control	With integrated 8 channel RFS interface (**R**adio **F**requency **S**ystem) for the remote control of the unit by radio via transceiver RFS from PC or Macintosh computer. Each channel (studio) can control up to 8 units.	With integrated interface for the remote control of the unit by cable from PC or Macintosh computer. Each channel (studio) can control up to 8 units.
Flash release	Transmitter RFS, Transceiver RFS (beside the options in chapter 18)	analogue chapter 18
Operational distance outdoors	up to 30 m	Length of the connection cable from the computer to the unit: 5m Length of the connection cable between the units: 2,5 m
Operational distance in closed rooms	up to 20 m	see above
Range	up to 300 m	see above
Number of sync sockets	2	1 (the second sync socket is configured as connection for the computer cable)

Norms	UL 122, EC norms73/23, 89/336 and 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.

19. Order numbers for diverse spare parts / accessories

Halogen modelling lamp 150 W / 120 V	Art. no. 54.254.XX
Halogen modelling lamp 150 W / 230 V	Art. no. 54.255.XX
Flash tube, coated, to LOGOS 800 / SOLO 800 B	Art. no. 54.300.00
Flash tube, coated, to LOGOS 1600 / SOLO 1600 B	Art. no. 54.301.00
Protecting glass, clear	Art. no. 54.400.59
Fuse 3.15 AF	Art. no. 37137.00
Mains cable CH 200-240 V	Art. no. 39084.00
Mains cable USA 100-120 V	Art. no. 39085.00
Mains cable Europe 200-240 V	Art. no. 39086.00
Protection cap for transport, grey	Art. no. Z3620.00
Bracket for suspended mounting	Art. no. 35.228.00

CE

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