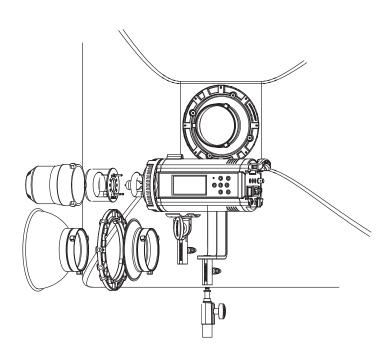


professional lighting system





FACTORY

Daegu - TEL: 82-53-753-5700 FAX: 82-53-753-5718

#977-1, Manchon 2-dong, Suseong-gu, Daegu, South Korea



MARKETING & SALES

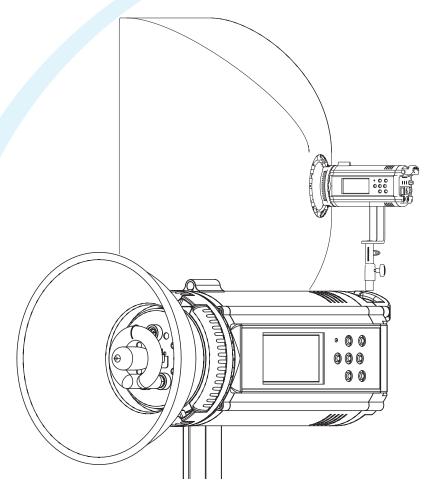
TEL: FAX:



Web Site

http://www.photodnm.com

E-mail: photo@photo-dynamic.co.kr



MEGAJET DIGITAL STROBE OPERATION MANUAL

MEGAJET STROBE

User Manual TR Plus 400 / 600 /800 / 1000 / 1200

The precautions are intended to seek for the users' safety and to prevent the properties from any damages. So, please read it carefully and then use it in a right way.

ADVANTAGES OF PRODUCT

A Machine Engine in which the up-to-date microchip technology is embodied.

- Applied an interactive -mode custom LED panel
- Applied a Xenon Tube to reduce the digital artifacts.
- Applied some speed discharge circuits to reduce the noises in the color errors of a digital CMOS sensor
- Adopting a dual-lamp system with various photography activities are allowed by combining an electronic flash (a strobo) and a halogen lamp.
- It was designed highly efficient by applying the over-voltage & over-current protection circuits and an EMI filter, etc.

An Exact Color Reproduction

- The color tuning was conducted focusing on the color reproduction area in order to embody the color coordinates falling in with the white balance standard, which is used at the stage of photography.
- A 1kW high brightness halogen photo lamp is adopted to realize the appropriate chroma and to embody the motion pictures.

Minimizing the fan noise and light leakage

• Optimizing the inner airflow and the structure of equipping the fan minimized the fan noise and light leakage from this product.

One Wireless Transmitter is All You Need!

Synccue2 allows you to control the power on.off, the light intensity(strobo and Halogen)
with one wireless transmitter.

User Convenience during Operation

- Allowing the values of user operating modes to be kept in each mode enhanced the user convenience.
- Adopting an interactive custom LED system enhanced the user convenience even in a dark environment.

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Warnings and Cautions for Safety

It is intended to secure the user's safety and to prevent a user from any damages in the properties. Please read it carefully and use the product.

Warning: Some cases that any death or serious injury is expected if the product is misused.

Warnings related to Power Source

Please insert the power plug securely not to be loose deep into the ends of the outlet holes.

Warning

An unstable connection might cause fire. Please do not use any damaged power cord or plug or loose condenser.

It may cause an electric shock or a fire.

Never touch the power plug with wet hands.

It may cause an electric shock.

Do not insert many plugs in a condenser.

It may cause a fire due to an extraordinary heat on the condenser.

Please do either not bend or pull out the power cord excessively or let it pressed by any heavy objects.

It may cause an electric shock or a fire.

Cautions related to Power Source

electric shock or a fire.

When pulling out the power plug, please pull it out grasping the plug tight. Otherwise, it may cause a fire.

When cleaning it, never miss unplugging it. Otherwise, it may cause an



Cautions

Please check if the condenser has an earthing function when using the Strobo in an old house or building.

When using a condenser without any automatic earthing functions, be sure to earth the Strobo before using it. Since the Strobo continues to store mass direct electric current in the condenser even after turning off the power, it may cause an electric shock or a fire when being shocked or short-circuited.

Warnings and Cautions for Safety

Warnings related to Installation

Please use while fixing it to the lighting stand for sure.

Never use it while putting it on an unstable place or prop.

In case that a child touches it while playing and the lamp falls down onto the floor, the child may be hurt. The lighting stand must be installed on a stably even place. If the floor is uneven, the lighting stand may fall down to hurt someone.



Warning

When carrying out the lighting equipments, please turn off the power switch and pull out the power plug. In case of carrying out the equipment while being plugged, the power cord may be damaged and cause a fire or an electric shock as well as causing some defects on the Strobo or the Halogen lamp. Please unplug the power cord when there is a thunder or a lightening. It may cause an electric shock or a fire. Please do not establish any lighting equipments near the place where there are some flammable materials. It may cause a fire. Never place any heating equipments, such as a heater, etc., near the power cord.

It may melt the coated cover of the power cord leading to a fire or an electric shock.

Please do not install it at a place where there are some oil, smoke or lots of moisture and splashed water. It may cause an electric shock or a fire.

Cautions related to Installation



Cautions

Please do not cover the Strobo or the halogen lamp with a tablecloth or a curtain.

It may cause a fire or a failure due to the increase of the internal temperature. Please do not install any lighting equipments at a narrow place where ventilation is not so good.

It may cause a fire due to the increase of the internal temperature.

Warnings and Cautions for Safety

Warnings Related to Usage

Please do not allow a child to hang down from the lighting stand or climb up to the top.

When the lighting stand falls down, it may cause a death or a hurt. Please do not insert any iron materials, such as iron chopsticks, iron wires and a gimlet etc., or easily inflammable materials, such as paper and a matchstick, etc., into the ventilation hole of the lighting equipment. It may cause an electric shock or a fire.

The user must not disassemble, repair or alter it at one's discretion, but contact the customer service center.

It may cause a fire or an electric shock.

Please do not use or keep any flammable sprayer or inflammable materials near the lighting equipment.

It may cause an explosion or a fire.

Please do not allow any small metals or water to get into the inside. If it is used without eliminating them, it may cause an electric shock or a fire. In case that any strange noises, burning smell or smoke are generated from the Strobo, please pull out the power plug right away and call at the customer service center.

In case of using it as it is without solving those problems, it may cause a fire. In case that the lighting equipment is kept without using it for a long period of time, please keep it unplugged.

In this case, it may cause an electric shock or a fire due to an electric leakage by the heating or ignition with the accumulated dusts.

In case that the lamp falls down or damaged while using it, please turn off the power switch, pull out the power plug and consult with the customer service center.

If it is used in this condition, it may cause a fire or an electric shock. When using it after keeping it unused for more than a month, please use it after flashing it off from the minimum volume to the maximum stepwise. The Strobo has a principle to be flashed by the Synchro signals after charging the condenser for photography to several hundreds volts by converting the alternating current for home use to the direct current in the internal circuits. A condenser for photography can store some electricity only after the electrolysis membrane is formed when the electric currents flow. But if any electric currents do not flow for a long period of time, the electrolysis membrane is destroyed leading to a loss of insulating efficiency. At this time, when some electric currents suddenly flow, the condenser might be damaged to a great extent.



Warnings and Cautions for Safety

Cautions related to Usage

Please be careful not to allow any dusts or water to reside at the pins of the power plug or the connecting part. It may cause an electric shock or fire. Please request the customer service center to clean the inside at least once a year.

In case of using it continuously while being dusted a lot inside of the lamp, it may cause a fire or can be a cause of failure.

When cleaning the lighting equipments, please unplug the power cord and cleanse it with a smooth dried cloth.



Cautions

Please do not use any chemicals, such as alcohol, mosquito repellant, a lubricant and a detergent, etc., at all. When doing outdoor photography, please carry it in a protection bag after covering the Strobo with the discharge tube protection cap.

Otherwise, there might be some damages due to the abrasions between those equipments.

Please use a proper brand item suitable for the Strobo.

It is often the case that the Strobo is used while being connected with various other kinds of accessories or peripherals rather than being used independently. If a peripheral different from the ones that follow the standards specified on the product is used, there might be some problems in the performance.

Please check whether there are any instruments, which emit some strong static electricity, near the Strobo. In case that the Strobo is affected by some strong static electricity emitted from the outside, there might be some malfunctions in a way that the Strobo flashes off continuously regardless of its normal operation.

Warnings and Cautions for Safety

A halogen lamp is a consumable component whose life span depends on the time of use and the environment for use.

Therefore, you should refer to the relevant cautions related to the installation and operations specified in the user manual to prevent from a rapid change in its performance and defects for sure

Warnings related to Halogen lamps



Please unplug the power cord first before replacing the halogen lamp. If the heat is not cooled for more than 30 minutes after unplugging the power cord before replacing the lamp, it may cause a fire or a burn. Never touch the halogen lamp when it is turned on.

It gives a risk of a burn since its temperature is very high. Especially, be sure that a child does not touch it at all.

Please do not stare at the halogen lamp right toward the front. It may cause a serious damage in your eyesight and can be a cause of eye diseases.

Cautions related to Halogen Lamps



Please ask the place where you purchased this product for a replacement lamp. Please use a halogen lamp operated at a rated voltage.

Please be careful not to let it exposed to rain or moisture that may lead to an electric shock.

While it is turned on, please refrain from moving it as causing severe vibrations. Due to some vibration or shocks while moving, a halogen lamp can explode or the life span will be shortened.

In case that the lamp explodes, please detach it from the socket carefully not to be burnt or injured.

Recommended Lamps(Applied in Korea)

- Lamp Manufacturer: OSRAM- Lamp Types: GX6, 35 1000W 230V

- Lamp Code: 64575



Halogen Lamp

Warnings and Cautions for Safety

A discharge tube lamp is a consumable component whose life span is relied on the time of use and the environment for use. Therefore, you should refer to the relevant cautions related to the installation and operations specified in the user manual to prevent from a rapid change in its performance and defects for sure

The free A/S for the defects in the lamp is actively conducted for the ones, which are used no more than 30,000 times since it was purchased, by categorizing those as the initially defective lamps for the purpose of protecting the consumers' right.

Cautions related to Discharge Tube lamp

It is necessary to maintain the discharge tube with some proper cleaning since it influences the functions of the Strobo directly.

Lots of wind containing bulk dust inflows the cooling fan of the discharge tube from the outside in order to cool the high heat. So, it is necessary to clean it often.

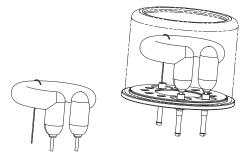
When cleaning it, please rub it with a clean cloth soaked in some alcohol after detaching the accessories in the front while the power is off at the same time when the Strobo flashes off. Please do never touch the electrode pins of the discharge tube.

Since the electrode pins of the discharge tube are the part where high voltage runs and leaves bulk high voltage at the condenser even after the power is turned off, even the turned-off condenser may cause an electric shock.

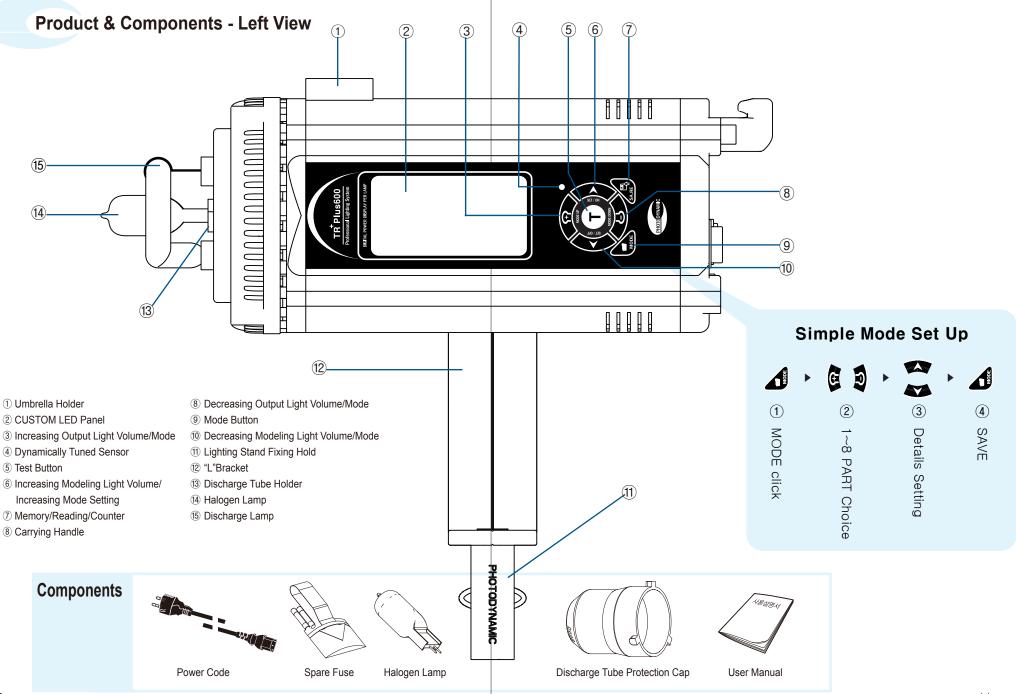
In case of using it for many hours, the efficiency of the lights is deteriorated.

The discharge tube should be replaced in specific usage time in order for a photographer to enjoy the maximum effects of the Strobo since the discharge tube is a consumable component.

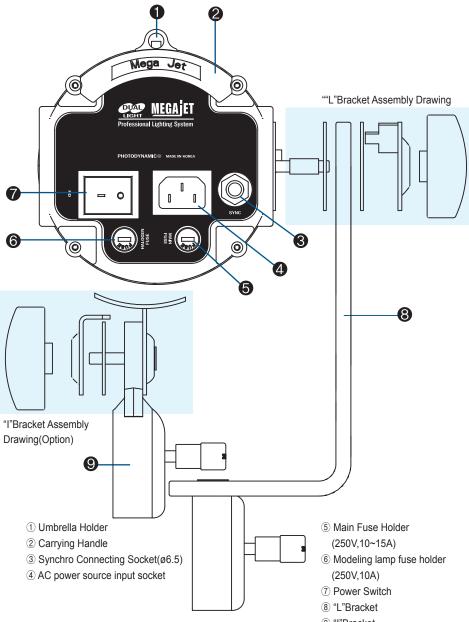
Since the replacement and repair of the discharge tube influence the quality of photos, the quality can be secured only when you get a standard discharge tube from this company, Photodynamic.



(Please consult the customer service center for the discharge tubes to use according to each Strobo model.)



Products & Components - Rear View/Bracket Assembly Drawing



Basic Adjustments

To Turn on the Power Switch

- 1. Please insert the power plug correctly not to be loose.
- 2. Please plug the power cord into the power socket at the back of the Strobo.
- 3. Turn around the power switch at the back of the Strobo to the minus (-) direction.
- 4. It starts to be operated after the counter is displayed for around 3 seconds.





Adjusting the light volume of the Strobo ▶ Marks : EvX.X





Strobo Output Light Volume Adjusting Button

Please use it when adjusting the Strobo light volume. The exposure level can be adjusted according to each situation. Whenever the button is pressed, the 0.1F step adjustment is selected and in case of pressing it continuously, it is adjusted continuously.



Adjusting the light volume of the Modeling Lamp ▶ Marks : HLXX



Modeling lamp light volume adjusting button



Please use it when adjusting the modeling lamp light volume. The brightness level can be adjusted according to each situation. Whenever the button is pressed, the first step of adjustment is selected and in case of pressing it continuously, it is adjusted continuously.



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Checking any problems or lighting



Test Button

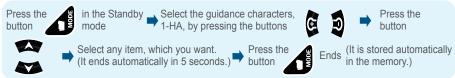
Please use the product to check the lighting after checking any problems or adjusting the light volume.

Setting the Modes

The Strobo setting can be done in whatever ways the user want when it is first turned on after purchasing or the environment for use is changed.

Ways of setting in the mode menu Press the mode button Moving to each item by pressing the Strobo adjusting button. Setting the detailed items by the Modeling-adjusting button. Press the button. (Completion) or it ends automatically in 5 seconds.

Modeling Lamp Setting [1-HA]



- OFF: Modeling Lamp cannot be sued in this condition.
- ☑ PRO TUN

 ∴ The brightness of a modeling lamp is adjusted in proportion to the adjustment of the Strobo light volume.

 □ PRO TUN

 ∴ The brightness of a modeling lamp is adjusted in proportion to the adjustment of the Strobo light volume.

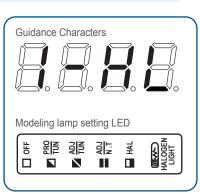
 □ PRO TUN

 □ PRO TUN

 □ PRO TUN

 □ TU
- ADJ TUN : A modeling lamp turns off when it discharges and then, turns on soon again: It can be controlled after selecting a modeling lamp or the Strobo. The modeling lamp turns off when it discharges and then it turns on again
 - : It can be adjusted after selecting a modeling lamp and a Strobo.

 The modeling lamp is turned on when it discharges
- HAL : The functions of the Strobo stops and, as the modeling lamp, only a halogen lamp can be used.

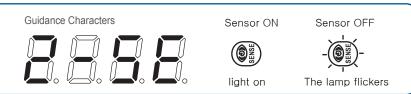


Setting the Modes

Setting the Dynamically Tuned Sensor [2-SE]

It is a function to make the Strobo discharge by sensing the lights automatically when the other Strobo discharges. When using many Strobos while photographing, operating only one Strobo can discharge all the Strobos. Please be careful not to touch the dynamically tuned sensor with hands or to let any foreign substances reside on it since the strength will be deteriorated.

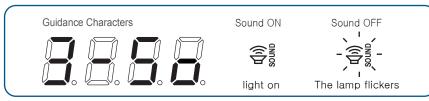




Alarm Sounds Setting [3-SO]

It is a function to inform the user that the Strobo charging is completed. A Strobo needs some time to be recharged after it is discharged once. If the sound LED is on, the alarm indicating the completion of charging beeps.



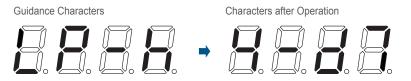


Mode Setting

Changing to the LED Panel Mode [4-d7]

The numbers on the panel of the Strobo, which is located on the right of the camera, is seen in a right way. But the numbers on the panel of the Strobo, which is located on the left, is seen upside down. The numbers seen upside down can be adjusted in order for the photographer to see in a right way.





Storing the Set Values in the memory [5-SA]

After setting all the modes of the Strobo, such as the Strobo light volume, Modeling Light Volume and the Modes, at the user's discretion, the user can store at maximum 5 set values into each number. (If the values are memorized into the relevant number, it remains turned on, otherwise, blinks.)





Mode Setting

Set Value Reading [6-rE]

The Strobo can be set at a time by reading the number, which the user selected, among 5 numbers that stores all the set values.

The stored set values are applied to the Strobo when the buttons, SA & RE, after moving to the desired number. (While the relevant number is read, the LED is turned on otherwise it blinks.)





Mode Setting(Strobo Number Setting)

Strobo Number [7-rn]

It is the number of Strobo within the group, which the relevant Strobo belongs to. The remote controller number can be used when setting along with some wireless products. The numbers can be changed from 1~8.





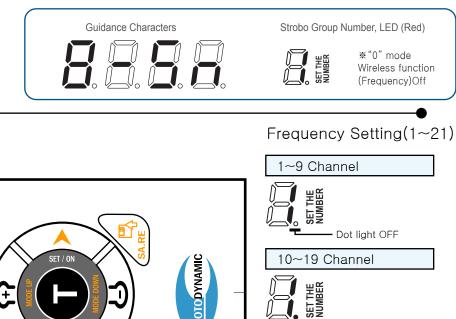
Strobo Number Setting(No.1~8)

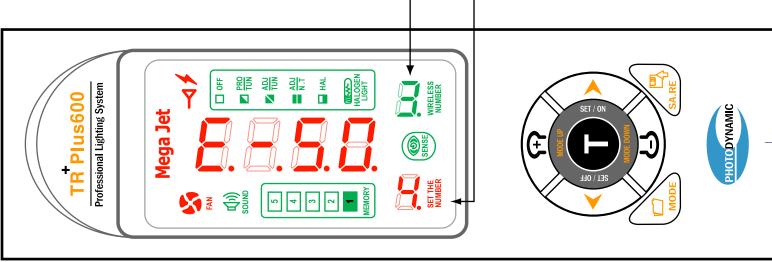


Strobo Group Number [8-Sn]

It indicates the group number to which the relevant Strobo belongs. A channel number can be used when setting along with a wireless product. It can be changed 1~21 times.







19

- Dot light Flicker

- Dot light ON

20~21 Channel

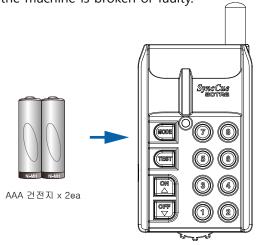
SET THE NUMBER

Setting Digital Wireless Flash Trigger

Checklist before the usage

♦ When you change the battery, please push the 'TEST' button two or three times.

It is a necessary step to set up the initialization. Pushing other buttons will not operate anything, and this does not mean the machine is broken or faulty.



- ◆ Don't set more than two sets of Wireless Flash Trigger at the same channel. If the same frequency is turned on at the same time, Strobo(Tr Plus) will show malfunction since Strobo receives the signal at the same time.
- ♦ SyncCue2 product automatically shuts off power after 3minutes.

So. if you want to use it after a certain time elapsed, you should press Test button.

If you press shutter of Camera after 3 minutes elapsed, first of all power of SyncCue2 will be on and Strobo(Tr plus) flash wouldn't operate.

Setting Digital Wireless Flash Trigger

Controlling the Light-volume from Strobo

Synccue2 allows you to control the power on/off, the light intensity(Strobo and Modeling Lamp) with one wireless transmitter.



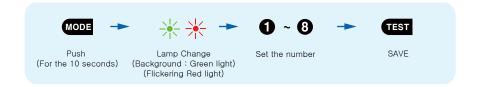
Controlling the Modeling Light scattering

Synccue2 allows you to control the power on/off, the light intensity(Strobo and Modeling Lamp) with one wireless transmitter.



Setting Frequency Channel

Control method with independent frequency assignment.



Basic Checking Functions

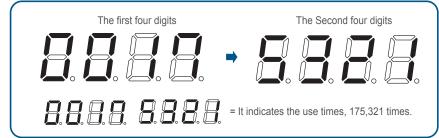
Checking the Counter

Please use this function when you want to know the use times after discharge of the Strobo. Some of the components for the Strobo are consumable.

The discharge tube and condenser should be replaced in a proper period of time according to their use times in order for them to maintain the appropriate levels of quality.

The way of checking the counter is to turn on the Strobo power switch in order for it to display the discharge times until now in the first and the second four digits.

** Any numbers less than 200 times are recorded in the counter during the testing process after manufacturing.



Checking a Normal Strobo charge

It is a function indicating that the set values for the Strobo output is not the same as the charged voltage.

A warning indicator is displayed when the set value and the charged voltage are not the same with each other when recharging it after full discharge or adjusting the light volume with the button.

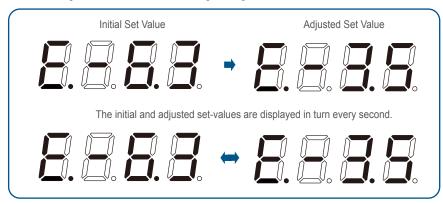
■ Alarm Signals when recharging the Strobo after discharge



When the LED lamp warning to charge the Strobo blinks, the Strobo can not be used without the test. Please consult the A/S center after turning off the power switch.

Basic Checking Functions

■ Warning Indicators when reducing the light volume with a button



When taking a photo right away without doing the test after adjusting the set values of the Strobo, if the set and charged voltages are not matched, the photo may not be taken properly as he intended to do.

It is a function that is added to prevent such kind of photographic accidents. Please let it discharged after pressing the test button for sure. But, it is okay to use it right away if the value of the light volume gets increased more than the initial set values.

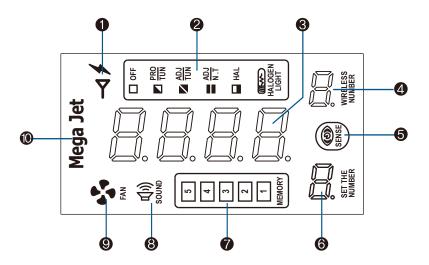
Description of the CUSTOM LED

Description of the CUSTOM LED Icon

It is better to look at the LED under a shade where no direct lights reach or at a place where you can read a new paper.

If the front side is pressed hard, the film for protection might be damaged.

When cleaning it, please do not use any cleansing chemicals, but rub it with only a little wet smooth cloth lightly.



- 1) RF Setting Indicator
- 2 Modeling Lamp Setting Indicator
- ③ Light Volume Indicator, Counter Indicator Menu Information Indicator
- 4 Strobo Number Indicator
- ⑤ Sensor Indicator

- 6 Strobo Group Indicator
- 7 Memory Indicator/ Reading, Writing
- 8 Sound Indicator
- 9 Cooling Fan Indicator
- ① Name of Strobo and Checking the normal Strobo Charge

Specifications/Peripherals

Specifications

The designs and specifications may be changed for the purpose of improving the performance without any prior notice.

Division Modeling	TR Plus 400	TR Plus 600	TR Plus 800	TR Plus1000	TR Plus1200	
Maximum Output (W/S)	400	600	800	1000	1200	
Output Adjusting Range	8~400	12~600	16~800	20~1000	24~120	
F- Range (1m)	7.9~63.9	8.5~64.5	11.0~90.0	11.4~90.4	11.6~90	
Flashing Time (sec)	1/2632	1/2381	1/2273	1/1923	1/1724	
No. Of Adjusting Stages	61	61	61	61	61	
Dual Light	Strobo + Halogen Light, only for Strobo, Only for Halogen light					
Charging Time	0.2~1.2	0.2~1.4	0.2~1.4	0.2~1.4	0.2~1.4	
Synchro Countdown	1 ~ 99,999,999 times					
Modeling Lamp	100 ~ 1,000 [W]					
Shutter Voltage	DC 10[V]					
Output Deviation	±0.1%					
Power Fuse	Main 10[A], Halogen 10[A]			Main15[A], Halogen 10[A]		
Input Voltage	AC 220V 50/60Hz or AC 110V 50/60Hz					
Dimensions (Lx DxH)	249x122x123	249x122x123	249x122x123	324x122x123	324x122x123	
Weight of Product	2.8kg	3kg	3.3kg	3.75kg	4kg	

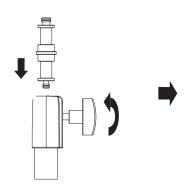
Peripherals

Please consult with an agency of Photodynamic or the headquarters of Photodynamic (Tel: 82-53-753-5700)

Half Canopy, Soft Box, Umbrella, Honey Comb, Half Door, Bag, Snoot, Synchro cord, etc. For more information in details, please visit the website of Photodynamic. http://www.photodynamic.co.kr

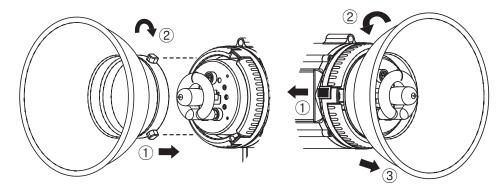
Product Installation & Attaching & Detaching Accessories

Installing on a Lighting stand



- First, fix the adaptor on the top of a lighting stand by using the lever.
 (The adaptor is an accessory for the lighting stand)
- Next, lock the Strobo while pushing down the lever after putting it on the top of the adapter for the lighting stand.
- 3. Finally, check whether or not the Strobo is placed stably by picking it up a little.

Attaching & Detaching Accessories



- Please connect the accessories with the Strobo adaptor. When turning to the right by around 15 degrees after uniformly overlapping the grooves one over another, it is attached with a sound 'Clack!' while those grooves are fixed with each other.
- When detaching an accessory from the Strobo, first, push the locking switch of the Strobo to the left, and then, while pushing in that direction, pull it out after turning it around to the left by around 15degrees.

PHOTODYNAMIC

MEGAJET

Photodynamic extends a limited One—year
warranty to the original purchaser.

Warranty Statement

Thank you for purchasing Our Product, Photo Dynamic Mega Jet.

When there are any requests for after-service, the headquarters, Photodynamic, or the Sales Agency shall be responsible for the relevant services.

You may visit the headquarters directly or send it by express delivery service.

Free of Charge Service

This company, Photodynamic, provides the A/S free of charge for the brand, Strobo, among all of its items when any failures occur due to the performance or functional errors under the state of being normally used within one year after purchasing the product or when the times of usage is less than 30,000 times.

Charged Services

The following cases are subject to being charged.

- When a defect is caused by a user's misuse.
- When a defect is generated by some natural disasters, (fire, earthquake, flooding and lighting, etc.)
- When a defect is caused by the power source problems,
- When a defect is caused by the non-conforming connectors.
- When changing the peripherals, (a halogen lamp, a soft box, a modeling lamp, a discharge tube, various kinds of Synchro cords, connecting cables, photo condensers, etc.)
- **Since you are charged when requesting a service even though there are no defects in the item, please read the user manual carefully.

How to apply for service

You may get a service by sending the item by express delivery service or by visiting the headquarters in person.

Tel: 82-53-753-5700

Fax: 82-53-753-5718

Address: Photodynamic, #977-1, Manchon 2-dong, Suseong-gu, Daegu, 706-022, South Korea

http://www.photodynamic.co.kr