

**RASHIA®**  
**PRO LIGHT™**

**TINT-**  
**5 (RGBAW)**

PROFILE



*User*

*Instructions*

**Tint-5 Profile**

**Features**

- RGBAW(5 in 1)-Colors Mixing / Single RGBAW Colors
- Electronic Dimming 0-100%
- Strobe(0-100%)
- Built in Microphone
- DMX-512 protocol
- 3-Pin DMX Connection
- Five/Nine DMX Modes:
- Wireless compatible (Built In)
- Battery Power (Built In )
- Built in Microphone

**Tint-5 Profile**

**Warranty Registration**

The Tint-5 Profile carries a 1 year limited warranty. Please fill out the enclosed warranty card to validate your purchase. All returned service items whether under warranty or not, must be freight pre-paid and accompany a return authorization (R.A.) number. The R.A. number must be clearly written on the outside of the return package. A brief description of the problem as well as the R.A. number must also be written down on a piece of paper included in the shipping carton. If the unit is under warranty, you must provide a copy of your proof of

purchase invoice. You may obtain a R.A. number by contacting our customer support team on our customer support number. All packages returned to the service department not displaying a R.A. number on the outside of the package will be returned to the shipper.

## Tint-5 Profile

## Installation

The unit should be mounted using a mounting clamp (provided)/keep in plane surface, affixing it to the mounting bracket that is provided with the unit. Always ensure that the unit is firmly fixed to avoid vibration and slipping while operating. Always ensure that the structure to which you are attaching the unit is secure and is able to support a weight of 10 times the unit's weight. Also, always use a safety cable that can hold times the weight of the unit when installing the fixture. The equipment must be installed by a professional, and it must be installed in a place where it is out of the reach of people's grasp.

## Tint-5 Profile

## Introduction

Unpacking: Thank you for purchasing the Tint-5 Profile by Rasha®. Every Tint-5 Profile has been thoroughly tested and has been shipped in perfect operating condition. Carefully check the shipping carton for damage that may have occurred during shipping. If the carton appears to be damaged, carefully inspect your fixture for any damage and be sure all accessories necessary to operate the unit has arrived intact. In the case damage has been found or parts are missing, please contact our toll free customer support number for further instructions. Do not return this unit to your dealer without first contacting customer support.

Introduction: The Rasha® Tint -5 Profile is part of a continuing pursuit to create high quality intelligent lighting. The Tint-5 Profile is a DMX intelligent, high-powered LED par fixture. This fixture can be used in a standalone mode or connected in a Master/Slave configuration. This Profile has five operating modes: Sound Active mode, Auto mode, RGB+White+ Amber mode, 15 Static Color mode, and DMX control mode. Color Strobe Effect, Color Change, Color Dimmer color Jump/Gradually auto change. This has

been built in wireless technology with built in Battery of the 24000MAH mode. It can use the light at same time while recharging the battery, in battery mode the light can be used about 8 Hours in full color mode. To optimize the performance of this product, please read these operating instructions carefully to familiarize yourself with the basic operations of this unit. These instructions contain important safety information regarding the use and maintenance of this unit. Please keep this manual with the unit, for future reference.

**Customer Support:** Rasha provides a customer support line, to provide set up help and to answer any question should you encounter problems during your set up or initial operation. You may also visit us on the web at [www.rashanet.com](http://www.rashanet.com) for any comments or suggestions. Service Hours are Monday through Friday 8:00 a.m. to 5:30 p.m. Beijing Standard Time.

Voice: (0086) 020-37726213

Fax: (0086) 020-37726213

E-mail: [support@rashalight.com](mailto:support@rashalight.com)/[rashalite@gmail.com](mailto:rashalite@gmail.com)

**Warning!** To prevent or reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture.

**Caution!** There are no user serviceable parts inside this unit. Do not attempt any repairs yourself, doing so will void your manufacturer's warranty. In the unlikely event your unit may require service please contact Rasha Professional A/Ss.

## Tint-5 Profile

## Safety Precautions

- To reduce the risk of electrical shock or fire, do not expose this unit to rain or moisture
- Do not spill water or other liquids into or on to your unit.
- Do not attempt to operate this unit if the power cord has been frayed or broken. Do not attempt to remove or break off the ground prong from the electrical cord. This prong is used to reduce the risk of electrical shock and fire in case of an internal short.
- Disconnect from main power before making any type of connection.
- Do not remove the cover under any conditions. There are no user serviceable parts inside.
- Never operate this unit when it's cover is removed.
- Never plug this unit in to a dimmer pack
- Always be sure to mount this unit in an area that will allow proper ventilation. Allow about 6" (15cm) between this device and a wall.
- Do not attempt to operate this unit, if it becomes damaged.
- This unit is intended for indoor use only, use of this product outdoors voids all warranties.
- During long periods of non-use, disconnect the unit's main power.
- Always mount this unit in safe and stable manner.
- Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to the point they exit from the unit.
- Cleaning -The fixture should be cleaned only as recommended by the manufacturer.
- Heat -The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.

- The fixture should be serviced by qualified service personnel when:
  - A. The power-supply cord or the plug has been damaged.
  - B. Objects have fallen, or liquid has been spilled into the appliance.
  - C. The appliance has been exposed to rain or water.
  - D. The appliance does not appear to operate normally or exhibits a marked change in performance.

**Tint-5 Profile**

**Set Up**

**Power Supply:** The Rasha Tint Profile contains a automatic(Dual Voltage) voltage switch, which will auto sense the voltage when it is plugged into the power source. With this switch there is no need to worry about the correct power voltage; this unit can be plugged in anywhere. Light can recharge and use at same time.

**DMX-512:** DMX is short for Digital Multiplex. This is a universal protocol used as a form of communication between intelligent fixtures and controllers. A wireless transmitter/ DMX controller sends DMX data instructions from the controller to the fixture. DMX data is sent as serial data that travels from fixture to fixture via the DATA "IN" and DATA "OUT" XLR terminals located on all DMX fixtures (most controllers only have a DATA "OUT" terminal).

**DMX Linking:** DMX is a language allowing all makes and models of different manufactures to be linked together and operate from a single controller, as long as all fixtures and the controller are DMX compliant. To ensure proper DMX data transmission, when using several DMX fixtures try to use the shortest cable path possible or connect wireless transmission. The order in which fixtures are connected in a DMX line does not influence the DMX addressing. For example; a fixture assigned a DMX address of Addr-A001 may be placed anywhere in a DMX line, at the beginning, at the end, or anywhere in the middle. When a fixture is assigned a DMX address of A0011, the DMX controller knows to send DATA assigned to address A001 to that unit, no matter where it is located in the DMX chain/Controller.

**Data Cable (DMX Cable) Requirements (For DMX Operation):** The Tint-5 Profile can be controlled via DMX-512 protocol/Wireless DMX transmitter. The Tint-5 Profile has 5/9 DMX channel modes,. The DMX address is set on the back panel of the Tint-5 Profile. Your unit and your DMX controller require a standard 3-pin XLR connector/wireless DMX Transmitter for data input and data output. We recommend Rasha-Cable DMX cables/Wireless Transmitter. If you are making your own cables, be sure to use standard 110-120 Ohm shielded cable (This cable may be purchased at almost all pro lighting stores) or 2.4Mhz Wireless Transmitter/Receiver. Your cables should be made with a male and female XLR connector on either end of the cable. Also, remember that DMX cable must be daisy chained and cannot be split.

**Tint-5 Profile**

**Set Up**

**Notice:** Be sure to follow figures two and three when making your own cables. Do not use the ground lug on the XLR connector. Do not connect the cable's shield conductor to the ground lug or allow the shield conductor to come in contact with the XLR's outer casing. Grounding the shield could cause a short circuit and erratic behavior.

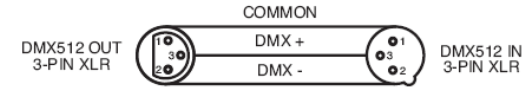


Figure 2

XLR Pin Configuration	
Pin 1 =	Ground
Pin 2 =	Data Compliment (negative)
Pin 3 =	Data True (positive)

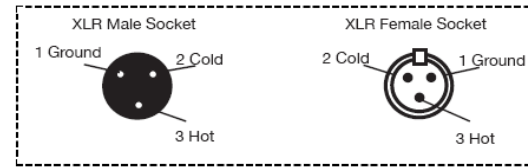


Figure 3

**Special Note: Line Termination.** When longer runs of cable are used, you may need to use a terminator on the last unit to avoid erratic behavior. A terminator is a 110-120 ohm 1/4 watt resistor which is connected between pins 2 and 3 of a male XLR connector (DATA + and DATA -). This unit is inserted in the female XLR connector of the last unit in your daisy chain to terminate the line. Using a cable terminator (Rasha part number R-DMX/T) will decrease the possibilities of erratic behavior



Termination reduces signal errors and avoids signal transmission problems and interference. It is always advisable to connect a DMX terminal, (Resistance 120 Ohm 1/4 W) between PIN 2 (DMX-) and PIN 3 (DMX +) of the last fixture.

Figure 4

**5-Pin XLR DMX Connectors.** Some manufactures use 5-pin DMX-512 data cables for DATA transmission in place of 3-pin. 5-pin DMX fixtures may be implemented in a 3-pin DMX line. When inserting standard 5-pin data cables in to a 3-pin line a cable adaptor must be used, these adaptors are readily available at most electric stores. The chart below details a proper cable conversion.

3-Pin XLR to 5-Pin XLR Conversion		
Conductor	3-Pin XLR Female (Out)	5-Pin XLR Male (In)
Ground/Shield	Pin 1	Pin 1
Data Compliment (- signal)	Pin 2	Pin 2
Data True (+ signal)	Pin 3	Pin 3
Not Used		Do Not Use
Not Used		Do Not Use

**Tint -5 Profile**

**Operating Instructions**

UP and DOWN buttons to adjust intensity.

5. After you have adjusted the RGBAW colors to make your desired color you can then activate strobing by pressing the SET UP button to enter the Flash (strobe) mode.

1. Addr: 1-512

2. CHND: (5CH/9CH)
3. SLND: MAST/ SLAVE
4. SHND:
  - SOUND (SOUND ACTIVATED & auto-run mode is one)
  - COL (COL1 to COL12、 AUTO)
  - STRO (0-255 strobe speed)
  - FRAD (color gradually change, speed: SP01 to SP08)
5. PRNU: ( 5 colors manual select):
  - RED Red (0-255)
  - GRN Green (0-255)
  - BLU Blue (0-255)
  - AMB Amber (0-255)
  - WHI White (0-255)
  - TEST to test each color if work
7. FHR5: (Sum of the device consumption hours since built the fixture)

3. Use the UP or DOWN buttons to scroll through the DMX Channel modes. The Channel modes are listed below:  
To run the 5 Channel Mode, press the CHND button then use UP/ Down Button unit "5CH" is displayed. This is the 5 Channel DMX Modes.  
To run the Channel Mode, press the CHND button then use UP/ Down Button unit "9CH" is displayed. This is the 9Channel DMX Mode.
4. Please see below pages for DMX values and traits.
5. After you have chosen your desired DMX Channel mode plug in the fixture via the XLR connections to any standard DMX controller.

**DMX Mode:**

Operating through a DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. This function also allows you to use your fixtures as spot lights. The Tint-5 Profile has 5/9 DMX Mode (for each modes' DMX traits See below dmx chart).

1. This function will allow you to control each individual fixture's traits with a standard DMX 512 controller.
2. To run your fixture in DMX mode press the Addr button until "Addr" is displayed. "ADDR" represents the current displayed address then press A001. Use the UP or DOWN buttons to select your desired DMX address, then press the SETUP button to select your DMX Channel mode.

**Tint-5 Profile**

**Operating Instructions**

**Display Inversion:**

Menu down up Enter

After initialization, the unit is ready for setting and working. Please see

## the following table for setting information

This function will allow you to "flip" the LED display.

1. Plug the fixture in and press the Addr button until "ADDR" is displayed. "XX" represents either "on" or "oFF".
2. Press the SET UP button until "Test" is displayed. For testing the light

### ***Default Running Mode:***

This is a default running mode. When this mode is activated all modes will return to their default settings.

1. Plug the fixture in and press the MODE button until "dXX" is displayed. "XX" represents either "on" or "oFF".
2. Press the SET UP button until "Addr" is displayed.
3. Press the UP and DOWN buttons simultaneously. Press the MODE button to exit.
4. Press SLDN –NAST to choose Master or slave mode
5. Press –SHND-SOUN for sound active mode
6. Press SHND-COLO – AUTO to choose auto color mixing
7. Press SHND-COLO-COL1 to COL12 to set the customized color or hold the NANU Mode

1. Daisy chain your units via the XLR connector on the rear of the unit. Use standard XLR data cables to link your units together. Remember that the Male XLR connector is the input and the Female XLR connector is the output. The first unit in the chain (master) will use the female XLR connector only. The last unit in the chain will use the male XLR connector only.
2. Connect the first "Slave" unit to the "Master."
3. Set the "Master" unit to your desired mode of operation. The "Slave" unit will now follow the "Master".

## **Tint-5 Profile**

## **Master-Slave Configuration**

### ***Master-Slave Configuration:***

This function will allow you to link units together to run in a Master-Slave mode. In Master-Slave operation one unit will act as the controlling unit and the others will react to the controlling unit's built-in programs. Any unit can act as a Master or as a Slave however, only one unit can be programmed to act as the "Master."

### ***Master-Slave Connections and Settings:***

## **Tint Profile**

## **Operation**

### **DMX Control:**

Operating through an DMX controller gives the user the freedom to create their own programs tailored to their own individual needs. Follow the directions below to set your DMX Mode and address.

1. Before connecting to DMX controller, your fixture has different DMX channel modes; please select your desired mode by pressing the DMX Mode button, then using the "Up" or "Down" buttons to scroll through the DMX Channel Modes. Set the mode before you address the fixture. See the bottom of this page for the DMX modes.

2. After you have selected your mode, set the wireless DMX wireless transmitter, after the transmission successful in between the light and dmx controller(wireless transmitter) the Green Led bulb in rear side of the light it will start to blip(means the successful in transmission).

**Note:** When setting the DMX address each time a number is pressed a LED color will glow,

3. now you may connect the fixture via the XLR connections to any standard DMX controller. Please see below pages for a detailed description of the DMX modes, values, and traits.

### Tint Profile Battery information, Charging and replace

The Fixtures had Lithium 12000 MAH batter with 12 V; it will be fully recharged after charging about 7-8 hours. When you are using the light to play at same time also the light can be recharge

When use the light first time, recharge the light about 8-10 hours.

While charging the light, inside the light there is a led bulb with RED color it will be glow, it indicate that light is recharging, after the battery charge more than 50 % the Green Led glow it will be appear from same place, it will be continue until 100% battery recharged, you can see this light indicator from the top the light (see inside the light from top of the light)

To Replace the battery open the mould cover screws, then disconnect the main power supply wires and charger connection then change the battery. Battery should be used with 12000MAH 12 V.

### Tint -5 Profile DMX Values & Functions 5 CH Modes

Channel	Value	Description
CH1	0	No action
	1-255	RED dimmer
CH2	0	No action
	1-255	GREEN dimmer
CH3	0	No action
	1-255	BLUE dimmer
CH4	0	No action
	1-255	Amber( dimmer -Sharp
CH5	0	No action
	1-255	White (0-255 white dimmer)

### 9 CH Modes

Channel	Value	Description
CH1	0	No action(blackout)
	1-255	RED dimmer--Bright
CH2	0	No action (blackout)
	1-255	GREEN dimmer--Bright
CH3	0	No action (blackout)
	1-255	BLUE dimmer--Bright
CH4	0	No action (blackout)
	1-255	Amber dimmer-Bright
CH5	0	No action (blackout)
	1-255	White Dimmer-Bright
CH6	0	No action(blackout)
	128-255	RGBAW dimmer-Bright
CH7	0-127	No action (blackout)
	128-255	Strobe from slow to fast
CH8	0	No action (blackout)
	1-255	Auto Run from slow to fast
CH9	0	No action (blackout)
	1-255	Auto Run Normal

### Tint-5 Profile Power Cord Daisy Chain

**With this feature you can connect the fixtures to one another using the IEC input and output sockets. The quantity that can be connected is 33 fixtures maximum. After 33 fixtures you will need to use a new power outlet. They must be the same fixtures. DO NOT mix fixtures.**

### Tint-5 Profile Fuse Replacement

Disconnect the unit from its power source. Remove the power cord from the unit. Once the cord has been removed, you will find that the fuse holder is located inside the power socket. Insert a flat-head screw driver into the power socket and gently pry out the fuse holder.

Remove the bad fuse and replace with a new one. The fuse holder also has a holder for a spare fuse.

## Tint-5 Profile

## Trouble Shooting

Listed below are a few common problems the user may encounter, with solutions.

### Unit not responding to DMX:

1. Check that the DMX cables are connected properly and are wired correctly (pin 3 is "hot"; on some other DMX devices pin 2 may be 'hot'). Also, check that all cables are connected to the right connectors; it does matter which way the inputs and outputs are connected.

### Unit does not respond to sound:

1. Quiet or high pitched sounds will not activate the unit.
2. Make sure that Sound Active mode is activated.

## Tint-5 Profile

## Cleaning

Due to fog residue, smoke, and dust cleaning the internal and external optical lenses must be carried out periodically to optimize light output.

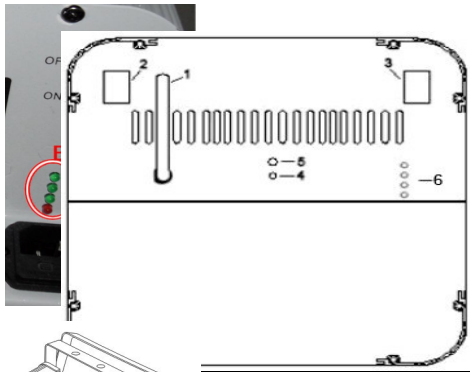
1. Use normal glass cleaner and a soft cloth to wipe down the outside casing.
2. Clean the external optics with glass cleaner and a soft cloth every 20 days.
3. Always be sure to dry all parts completely before plugging the unit back in.

Cleaning frequency depends on the environment in which the fixture operates (i.e. smoke, fog residue, dust, dew).

## Tint-5 Profile

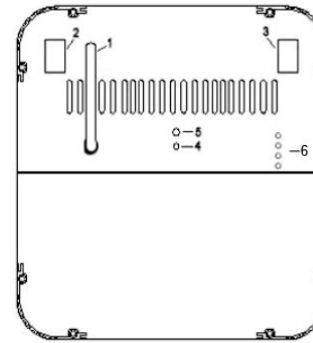
## Battery Status

This function is used to check the status of the battery, **Fhr S** will show total how many hours does light use. The led bulbs of the rear panels are battery indicator. This show how many percentage of the battery remaining (See below picture no 6)



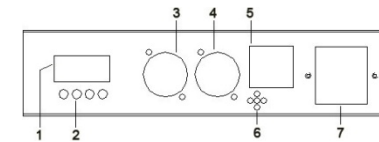
Front Panel (Figure-1)

## Body Details



Rear Panel (Figure 1)

1. Wireless Signal Receiver Antenna
2. Wireless Signal Switch
3. Power On/Off Switch
4. ID code Selector Button
5. Single/Transmitter indicator
6. Battery Indicator



Rear Panel (Figure 2)

1. Alpha Led Display(4 digits)
2. Menu Button
3. DMX out port
4. DMX In Port
5. Power out port
6. Micro Phone/Sound Detector
7. Power in port

## Tint-5 Profile

## Warranty

### MANUFACTURER'S LIMITED WARRANTY

Rasha Professional A/S Co (Rasha Lights). hereby warrants, to the original purchaser, Rasha products to be free of manufacturing defects in material and workmanship for a prescribed period from the date of purchase (see specific warranty period on reverse). This warranty shall be valid only if the product is purchased within the People's Republic of China, including possessions and territories. It is the owner's responsibility to establish the date and place of purchase by acceptable evidence, at the time service is sought. B. For warranty service you must obtain a Return Authorization number (RA#) before sending back the product. Contact Rasha Professional A/S. Service Department at +86-020-37726213 Send the product only to the Rasha Professional A/Ss. factory. All shipping charges must be pre-paid. If the requested repairs or service (including parts replacement) are within the terms of this warranty, Rasha. will pay return shipping charges only to a designated point within the China PR. If the entire instrument is sent, it must be shipped in its original package. No accessories should be shipped with the product. If any accessories are shipped with the product, Rasha Professional A/Ss Co. shall have no liability whatsoever for loss of or damage to any such accessories, nor for the safe return thereof.

C. This warranty is void if the serial number has been altered or removed; if the product is modified in any manner which Rasha Professional A/Ss. concludes, after inspection, affects the reliability of the product; if the product has been repaired or serviced by anyone other than the Rasha Professional A/Ss. factory unless prior written authorization was issued to purchaser by Rasha Professional A/Ss if the product is damaged because not properly maintained as set forth in the instruction manual.

D. This is not a service contract, and this warranty does not include maintenance, cleaning or periodic check-up. During the period specified above, Rasha Professional A/Ss Co.,. will replace defective parts at its expense with new or refurbished parts, and will absorb

all expenses for warranty service and repair labor by reason of defects in material or workmanship. The sole responsibility of Rasha Professional A/Ss Co., under this warranty shall be limited to the repair of the product, or replacement thereof, including parts, at the sole discretion of Rasha Professional A/Ss Co., All products covered by this warranty were manufactured after January 1, 2006, and bear identifying marks to that effect.

E. Rasha Professional A/Ss Co., reserves the right to make changes in design and/or improvements upon its products without any obligation to include these changes in any products theretofore manufactured. No warranty, whether expressed or implied, is given or made with respect to any accessory supplied with products described above. Except to the extent prohibited by applicable law, all implied warranties made by Rasha Professional A/Ss Co., in connection with this product, including warranties of merchantability or fitness, are limited in duration to the warranty period set forth above. And no warranties, whether expressed or implied, including warranties of merchantability or fitness, shall apply to this product after said period has expired. The consumer's and/or Dealer's sole remedy shall be such repair or replacement as is expressly provided above; and under no circumstances shall Rasha Professional A/Ss Co., be liable for any loss or damage, direct or consequential, arising out of the use of, or inability to use, this product.

This warranty is the only written warranty applicable to Rasha Professional A/Ss Co., Products and supersedes all prior warranties and written descriptions of warranty terms and conditions heretofore published.

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**Auto Sensing Voltage:** This fixture contains a automatic voltage switch, which will auto sense the voltage when it is plugged into the power source.

**Please Note:** Specifications and improvements in the design of this unit and this manual are subject to change without any prior written notice.

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## Tint-5 Profile

## Specifications

### Model: Tint -5 Profile-V2.0

Voltage: 100V ~ 240V/50~60Hz

LEDs: 9 x 15W High Brightness 5-in-1 – RGBWA Color

Beam Angle: 40/35/30/25/20/15 Degrees(optional)

Working Position: Any safe working position

Power Draw: 150W(24Voltage)

Power Cord Daisy Chain: 33 Fixtures Max.

Fuse: 500mA

Weight: 3.3Kgs.

Dimensions: 20 (L) x6 (W) x 20 CM

Colors: RGB+Amber +White Color Mixing and single color

DMX Channels: 5/7 DMX

Built In: 2.4 MHZ wireless Signal receiver

Battery: Built in lithium 12000 MAH battery(rechargeable)

Warranty: 1Year (365 days)

