Product Manual

i.4 , i.6 TTL

RiME LITE ®

i.4 , i.6 TTL

Rimelite i.4, i.6 TTL Portable Mono-light with TS-5 Radio Remote

Compact Size, but 400Ws and 600Ws Powerful Energy , 9.0 stops, 1/256 to 1/1, 0.3 stop increments.

Most advanced, Accurate TTL technology in any environment , Great performance with Canon, Nikon, Fujifilm and Sony.

Base on Rimelite's highest TTL technology, offers the stable and accurate TTL performance in multiple i.flahes

Very Lightweight, Compact and High-efficiency design Lithium-Ion battery, highest quality Samsung battery equipped,

But, offers very powerful, continuous performance, i.4 / 300 flashes, i.6 / 260 flashes

SAMSUNG SDI **SAMSUNG**
BATTERIES INCLUDED

Ultimate Constant Color Balance **± 50˚k** over entire power range.

Complete Transformation 'Portable flash - Studio flash, Studio flash – Outdoor flash,
Very quick and Simple, Changeable DC-AC, AC-DC Power supply pack. Liberation from the limitation of flashes
with Battery pack in Studio, Fast recycling time, Super stable operation.

Much brilliant 20W LED by High-efficiency design .

Superior Performance : HSS: Up to 1/8000s, Duration time: 1/12,000s, Multi Flash.

Built-in TS-5 wireless system, offers Automatic Recognition just with TS-5 is equipped on different camera's hot shoes.

Table of Contents

Technical Data

2.4 GHz

TS-5
Compatible with
Canon, Nikon, Fujifilm, Sony

Master of Flash

Flash Stability
+- 1/20 f-stop
Flash to Flash

Multi Stroboscopic Mode
99Hz / 99times

Multi Flash

High Speed Sync
1/8000 sec

1/8000
HSS

Fast Recycling time with DC Battery
Ni.4 : 1.3sec
Ni.6 : 1.6sec

$0.01{\sim}1.3^{\,s}$

AF MODE
20W Powerful LED
2000 Lumens
Equivalent 120w halogen

20W LED

Color Temperature
+- 50K
Over Range

5500K
+ −50

AC PACK
Changeable
DC-AC, AC-DC
Power supply pack
Fast Recycling time with AC Pack
i.4 TTL: 0.9sec
i.6 TTL: 1.2sec

i6 TTL

9.0 f-stops

Flash Exposure Compensation

0.3 f-step increments

Flashes

LCD Wide STN 260

REMOTE CONTROL

BATTERY PACK
SAMSUNG SDI SAMSUNG
BATTERIES INCLUDED

Technical Data

i.4 TTL

Specification	i4 TTL
Max Energy	400 Ws
Power Range Ws	1.5-400 Ws
Power Range Manual Mode	8 F-Stop (1/256-1/1)
Power Range TTL Mode	9 F-Stop (1/256-1/1)
F-Stop Control Increments	3/10 or full f-stops
Recycling Time with LIB2 (Li-ion Battery)	0.1-1.3 s
Recycling Time with LIB2-ACP2 (220v)	0.1-1.0 s
Recycling Time with LIB2-ACP1 (110v)	0.1-1.6 s
Flash Stability Manual Mode	± 1/20
Flash Stability TTL / HSS Mode	± 1/20
Color Stability TTL / Manual Mode	± 50K
Color Stability Multi or HSS Mode	± 150K

Technical Data

i.4 TTL

Flash Duration (t0.5) Manual Mode	1/12,800 - 1/600
Flash Duration (t0.5) TTL HSS Mode	1/80
Remote Control	TS 5 Transmitter
Flash Trigger	Manual Trigger Button, Photocell, Sync Cable, with built-in TS-5 Receiver
Color Temperature	5500K
Wireless Flash Control	TS5
Controllable Slave Groups	A, B, C, D
Channels	80 (1 ~ 80)
Transmission Range	100m
F-stop (m ISO 100) with RSTN165	32.8
Flash Mode Control	Manual mode, Multi mode(Stroboscopic Flash), TTL mode(HSS)
Stroboscopic Flash	99times, 99Hz

Technical Data

Modeling Light

Modeling Light	20W LED
Modeling Light Max. Output	2000 Lumens Equivalent 120w halogen
Modeling Light Color Temperature	5000K
Modeling Light CRI	>92
Modeling Light Control	On / Off, AF, Prop

Battery

Number of Flash Per Battery Charge	290
Battery Type	Exchangeable Lithium-Ion Battery DC 10.8V 4400mA
Battery Life	300 Charge cycles (to 80% capacity left)
Battery Status Display	4 LED / 1st Blink LED=0%~25% - 2st led=25%~50% - 3st led=50%~75% - 4st led=75%~100%
Battery Charging Time	2.5 Hours
Max Battery Model light Capacity	180 Minutes with Max Modeling
Max Battery Flash Capacity	1/1 <290

Miscellaneous

Flash Display	Wide STN-LCD Display
Auto Dumping	Yes
Operating Temperature range	-10℃ - 50℃
Ready Indicator	Model Lamp, Switchable Beep
Optical Slave	S1 (Manual Mode) / S2 (TTL Mode)
Sync Connector	3.5mm Mini-Phono
Battery Indicator	Yes
Auto Power Save	1 minute later LCD dimming

Measurements

Dimension (without Battery)	125 x 125 x 265mm
Weight (without Battery)	1.9Kg

Specification	i6 TTL
Max Energy	600 Ws
Power Range Ws	2.0-600 Ws
Power Range Manual Mode	8 F-Stop (1/256-1/1)
Power Range TTL Mode	9 F-Stop (1/256-1/1)
F-Stop Control Increments	3/10 or full f-stops
Recycling Time with LIB2 (Li-ion Battery)	0.1-1.6 s
Recycling Time with LIB2-ACP2 (220v)	0.1-1.3 s
Recycling Time with LIB2-ACP1 (110v)	0.1-1.9 s
Flash Stability Manual Mode	± 1/20
Flash Stability TTL / HSS Mode	± 1/20
Color Stability TTL / Manual Mode	± 50K
Color Stability Multi or HSS Mode	± 150K

Flash Duration (t0.5) Manual Mode	1/12,800 - 1/200
Flash Duration (t0.5) TTL HSS Mode	1/60
Remote Control	TS 5 Transmitter
Flash Trigger	Manual Trigger Button, Photocell, Sync Cable, with built-in TS-5 Receiver
Color Temperature	5500K
Wireless Flash Control	TS5
Controllable Slave Groups	A, B, C, D
Channels	80 (1 ~ 80)
Transmission Range	100m
F-stop (m ISO 100) with RSTN165	45.2
Flash Mode Control	Manual mode, Multi mode(Stroboscopic Flash), TTL mode(HSS)
Stroboscopic Flash	99times, 99Hz

Modeling Light

Modeling Light	20W LED
Modeling Light Max. Output	2000 Lumens Equivalent 120w halogen
Modeling Light Color Temperature	5000K
Modeling Light CRI	>92
Modeling Light Control	On / Off, AF, Prop

Battery

Number of Flash Per Battery Charge	260
Battery Type	Exchangeable Lithium-Ion Battery DC 10.8V 4400mA
Battery Life	400 Charge cycles (to 80% capacity left)
Battery Status Display	4 LED / 1st Blink LED=0%~25% - 2st led=25%~50% - 3st led=50%~75% - 4st led=75%~100%
Battery Charging Time	2.5 Hours
Max Battery Model light Capacity	180 Minutes with Max Modeling
Max Battery Flash Capacity	1/1 <260

Miscellaneous

Flash Display	Wide STN-LCD Display
Auto Dumping	Yes
Operating Temperature range	-10℃ - 50℃
Ready Indicator	Model Lamp, Switchable Beep
Optical Slave	S1 (Manual Mode) / S2 (TTL Mode)
Sync Connector	3.5mm Mini-Phono
Battery Indicator	Yes
Auto Power Save	1 minute later LCD dimming

Measurements

Dimension (without Battery)	125 x 125 x 265mm
Weight (without Battery)	2.0Kg

Safety Instructions

Please read and understand all the instructions to avoid injury to yourself and/or damage to i flashes

Do not expose to extreme temperatures (above 140℉ or below -4℉, or above 60℃ or below -20℃).

Do not use in rain or in damp condition.

Do not let any foreign substance spill into i flashes

Do not expose to chemicals such as benzene and thinners.

Do not use liquid or aerosol cleaners. Clean with a soft damp cloth only.

Do not expose to direct sunlight or heat sources for a prolonged period.

Do not try to disassemble and/or repair i flashes yourself.

Do not subject i flashes to severe impact,

Do not place heavy objects on i flashes.

Do not subject i flashes to excessive pressure.

Do not touch i flashes with wet hands

Do not store in dusty areas.

Please be aware that Rime Lite claims no responsibility for damage from data loss due to breakdown, repair, or other causes.

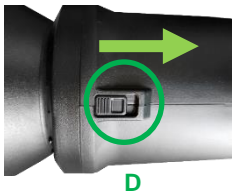# Operating Manual

1. Name of Parts

1. Flash tube 2. Stand Bracket 3. Battery 4. Battery Release 5. Shoulder Strap Holder 6.
7. LCD display 8. Flash status indicator 9. Control button   10. Power On/Off button
11. Control button 12. Battery energy 13. Battery energy-check button 14. 3.5mm Sync Cord Port

1. Name of Parts

E

G

A

B

C

Umbrella rods should go into 'A' Umbrella reflector's hole.

Unscrew 'C' Screw lever until umbrella's rods

D

A-Umbrella Reflector (NRST-165), B- Umbrella holder, C- Screw Lever, D-Mount Lock, E-Protecting Glass,
G-Carrying bag for i.flash TTL,

Technical Data

2. LIB-2 Battery Pack

I.Flash TTL+LIB-2

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LIB-2: Lithium-Ion battery DC 10.8V 4400mA

Approx. Battery level in percentage of the total capacity is indicated on the display.
4 LED On : 100 ~ 75%
3 LED On: 75 ~ 50%
2 LED On: 50 ~ 25%
1 LED Blink : 0 ~ 25%

Battery energy-check button

CHI2: Charger for i.flash TTL

Output: 12.6V, 3A,
 fast recharge time: 2hours
 to the full charge

Green LED turns it On if the recharging is completed to 100% 'full charge'

Unlimited flashes with ACP(AC Power Supply pack can offer the fast recycling time in Studio photographing

Power cable

SAMSUNG SDI SAMSUNG
BATTERIES INCLUDED

I.Flash TTL+ACP1(110~130V)
ACP2(210~240V)

i.4TTL

Recycling Time with ACP2 (220v)	0.1-1.0 s
Recycling Time with ACP1 (110v)	0.1-1.6 s

i.6TTL

Recycling Time with ACP2 (220v)	0.1-1.3 s
Recycling Time with ACP1 (110v)	0.1-1.9 s

Setting-Initialization

Press TS-5 **M** button or i.flash TTL **MODE** button for 2 sec.

All setting values 'Group, Channel, Exposure value, Mode' can be initialized.

i.Flash TTL can support TTL(Auto flash) and M mode(Manual flash)

i.Flash can be perfectly controlled through only using TS-5.

Press 'Power' button for 2 sec to turn on the flash. LCD display illuminates and shows the memorized previous functional setting of flash.

Auto Power-off

- To reduce battery power use,

  i Flash TTL is designed to go into Sleep mode after 30 minutes of non-activity and to turn off automatically

  after 40 minutes of non-activity.

Auto-Recognition function

Power On/Off

Ex) Canon version TS-5 Power Switch On-> i.flash body is automatically recognized and 'Canon' symbol appears on LCD display.

i.4 , i.6 TTL responds automatically in order to match the correct camera system after Power On of TS-5

Channel button

Group, Channel selection button

Channel selection 1~80 channels

Group Selection A,B,C,D

Press **GR** or **CH** until the numeral digit starts blinking. Then, press ◆ ◆ the buttons to set 'Group' or Channel

Set TS-5 wireless trigger channel to the same designated channel on the i.Flash TTL flash for operation.
After pressing CH on the wireless trigger, push the buttons to change channel

8. TTL Mode

TTL / M mode selection

< Exposure Compensation>

efficient function, fine-tune flash output in TTL mode -3.0~+3.0 F-stops in 1/3rd stop control

< TTL >

In 'TTL' mode, Green Color LED is On.

Press button on the TS-5 transmitter to switch between <TTL> mode and <M> mode

In TTL mode, when the shutter on the camera of which the TS-5 is mounted to
is pressed exposure is automatically controlled.

TTL / M mode selection

< M >

In 'M'mode, Yellow Color LED is On.

Press 'M'(Mode) button on the TS-5 transmitter to enter TTL mode.
LCD panel of both 'TS-5' and 'i.flash TTL body' will be display 'TTL'.

Exposure Compensation: Quickly control the optimized exposure value

In 'M' mode, Flash output range

	Max. Output							
Up	+0.7	+0.7	+0.7	+0.7	+0.7	+0.7	+0.7	+0.7
	+0.3	+0.3	+0.3	+0.3	+0.3	+0.3	+0.3	+0.3
Flash Output	**1/1**	**1/2**	**1/4**	**1/16**	**1/32**	**1/64**	**1/128**	**1/256**
	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3	-0.3
Down	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7	-0.7
								Min. Output

High Speed Sync

TS-5

'TTL' mode

TS-5

'M' mode

< TTL mode >

< M mode >

Press ⟨Hz⟩ button on TS-5 , 〔SH〕 is displayed (Only with using Canon Camera)

In using Nikon, Fujifilm and Sony Camera, High Speed Sync mode automatically runs as per adjusting Camera's shutter speed

Enable the flash to synchronize with Camera shutter speed 1/200~1/8,000sec

High Speed Sync- Flash output range in 'M' mode.

	Max. Output					
Up		0.7	0.7	0.7	0.7	0.7
		0.3	0.3	0.3	0.3	0.3
Flash Output		**1/1**	**1/2**	**1/4**	**1/16**	**1/32**	**1/64**
		-0.3	-0.3	-0.3	-0.3	-0.3
Down		-0.7	-0.7	-0.7	-0.7	-0.7
						Min. Output

11. Multi mode: Stroboscopic flash

High Speed Sync

T Selection of the number of flashes

Hz Selection of the interval time to next flash

Hz	Flash Output					
	1/4	1/8	1/16	1/32	1/64	1/128
1	30	50	70	99	99	99
2	2	4	70	99	99	99
3	2	2	7	99	99	99
4	2	2	4	16	99	99
5	2	2	3	8	99	99
6	2	2	3	6	99	99
7	2	2	3	5	99	99
8	1	2	2	5	15	99
9	1	2	2	4	10	99
10	1	2	2	4	6	99
11	1	2	2	4	5	99
12	1	2	2	3	5	99
13	1	2	2	3	5	99
14	1	2	2	3	5	99
15	1	2	2	3	5	99
16	1	2	2	3	5	36
17	1	2	2	3	5	36
18	1	2	2	3	5	36
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91	1	2	2	3	5	20
92	1	2	2	3	5	20
93	1	2	2	3	5	20
94	1	2	2	3	5	20
95	1	2	2	3	5	20
96	1	2	2	3	5	20
97	1	2	2	3	5	20
98	1	2	2	3	5	20
99	1	2	2	3	5	20

Multi mode can offer the capturing a multiple images of moving subject.

Number of Flashes / Flash Frequency = Shutter Speed

Modeling Lamp

i.Flash TTL is equipped with a high energy-efficient 20W LED.

Smart function: 💡 AF

Modeling lamp has 3 steps.

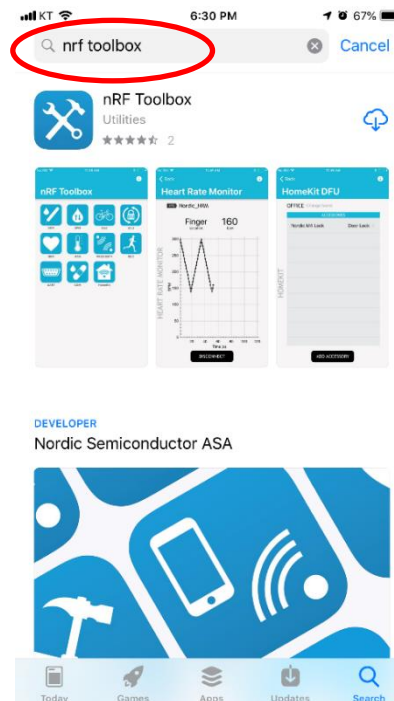Press 💡 on TS-5
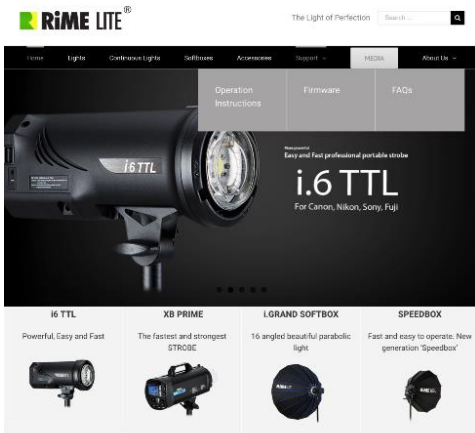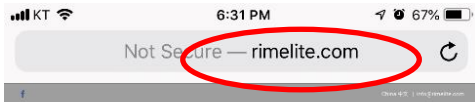
1st – Prop with Flash output

💡 2nd- Full power

💡 AF

💡 **AF** : Unique function, LED lamp turns On at 100% brightness to assist Auto Focus of Camera in Darkness when a user half press the shutter of Camera.
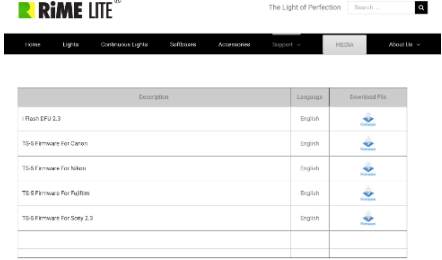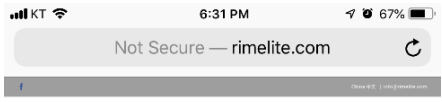
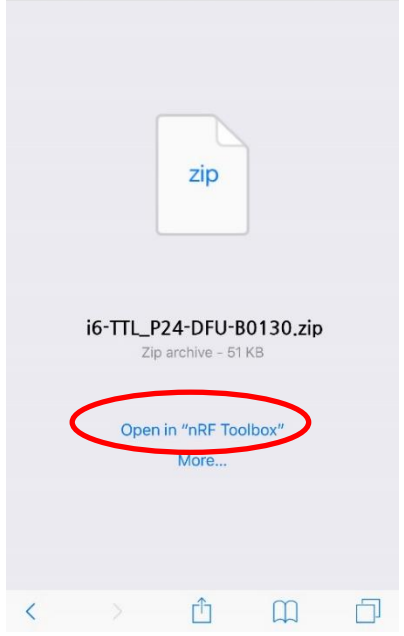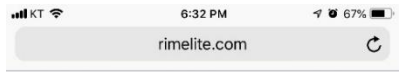1. **Searching 'nRF Toolbox' on Apple Store**
2. **Downloading 'nRF Toolbox' application to your iPhone**

Safari Application

nRF Toolbox Application

3. Out of 'nRF Toolbox'
   Run 'internet' application
   Visit Rimelite' s homepage (www.rimelite.com)
4. click 'Support' on the upper menu bar -> Click ' Firmware'

5. Click 'Firmware.
   Automatically, new firmware will be downloaded to iPhone

   * 'I Flash DFU' is the firmware for i.flash body.

   * 'TS-5' is the firmware for TS-5 controller.

6. Click" Open in nRF Toolbox".

7. Flash Power 'Off'.

8. [1] Press , RPT-T and RPT-Hz button at the same tim

[2] Press, POWER button
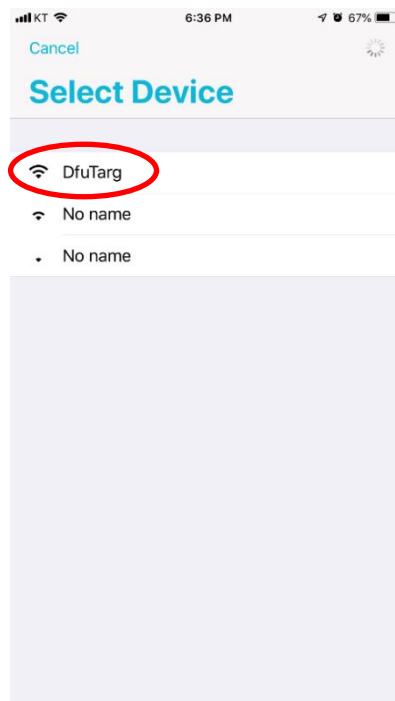with RPT-T and RPT-Hz buttons pressed

[2]

[1]

9. 'DFU' appears on the LCD display

Firmware Update

DEFAULT DFU

FIRMWARE
Name: i6-TTL_P24-DFU-B0130.zip
Size: 52297 bytes
Type: Distribution packet
Select File

DEVICE FIRMWARE UPDATE
Upload

DFU Library version 4.5.1

SELECT DEVICE

Select Device
Cancel

DfuTarg
No name
No name

Firmware Update

DfuTarg

FIRMWARE
Name: i6-TTL_P24-DFU-B0130.zip
Size: 29635 bytes
Type: Distribution packet
Select File

DEVICE FIRMWARE UPDATE
Upload

DFU Library version 4.5.1

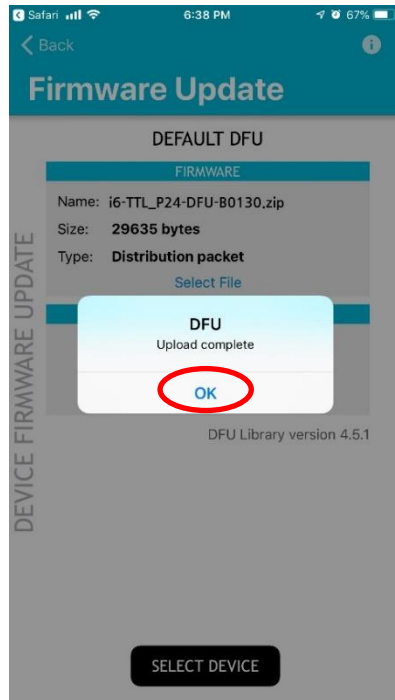SELECT DEVICE

10. Click 'SELECT DEVICE'

11.Click ' DfuTarg'
  flash and iPone is ready to communicate
   via Bluetooth

12. 'On' message appears on LCD display of flash.

13. Click ' **Upload'**
   new firmware will be
downloaded in a few second

14. If download is completed, 'OK' message appears on this play of i.Phone, and the flash power is Off automatically .

i Flashes TTL is free of defects in material and workmanship for a period of twenty four (24) months from the original date of purchase by the consumer.

If during the period of warranty this product proves defective under normal use and service, you should return the product to the retailer from whom it was originally purchased, or to any Rime Lite authorized dealer or authorized service center, if outside the time limit for returns imposed by the retailer.

- Warranty Conditions

1. The warranty is only valid presentation of the proof purchase consisting of original invoice or sales slip confirmation, indicating the date of purchase, retailer's name, model and serial number. Rime Lite reserve the right to refuse warranty service if this information has been removed or changed after the original purchased of the product from the retailer.

2. Rimelite's sole obligations are to the repair of the defective part, or at its discretion, replacement of the product (service exchange unit)

3. Warranty repair must be carried out by an authorized Rime Lite dealer/ service center. No reimbursement will be made for repairs carried out by non-Rime Lite, and warranty coverage will not be valid for any repairs or damage caused by such repairs.

4. Repair or replacement under the term of this warranty does not give right to extension to or a new starting of the period of warranty. Repair or direct replacement under the terms of this warranty may be fulfilled with functionally equivalent service exchange units.

5. The warranty is not applicable in cases other than defects in material and workmanship. The warranty does not cover the following:

   A. Periodic checks, maintenance, repair, and replacement of parts due to normal wear and tear.

   B. Abuse or misuse, including but not solely limited to the failure to use this product for its normal purpose in accordance with Rime Lite's instructions for usage and maintenance.

   C. Failure of or damage to the product arising from incorrect installation or use inconsistent with technical or safety standards, or failure to comply with product manual instructions.