



# Digital Radio Slave (S-III)



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<http://www.rimemall.com>

## User Guide

### # Specifications

MODEL : S-III

Frequency : 2.4GHz

Channels : 16

Max range : Up to 30meters

May sync speed : 1/250 sec

Battery : Transmitter – 1x AA 1.5V

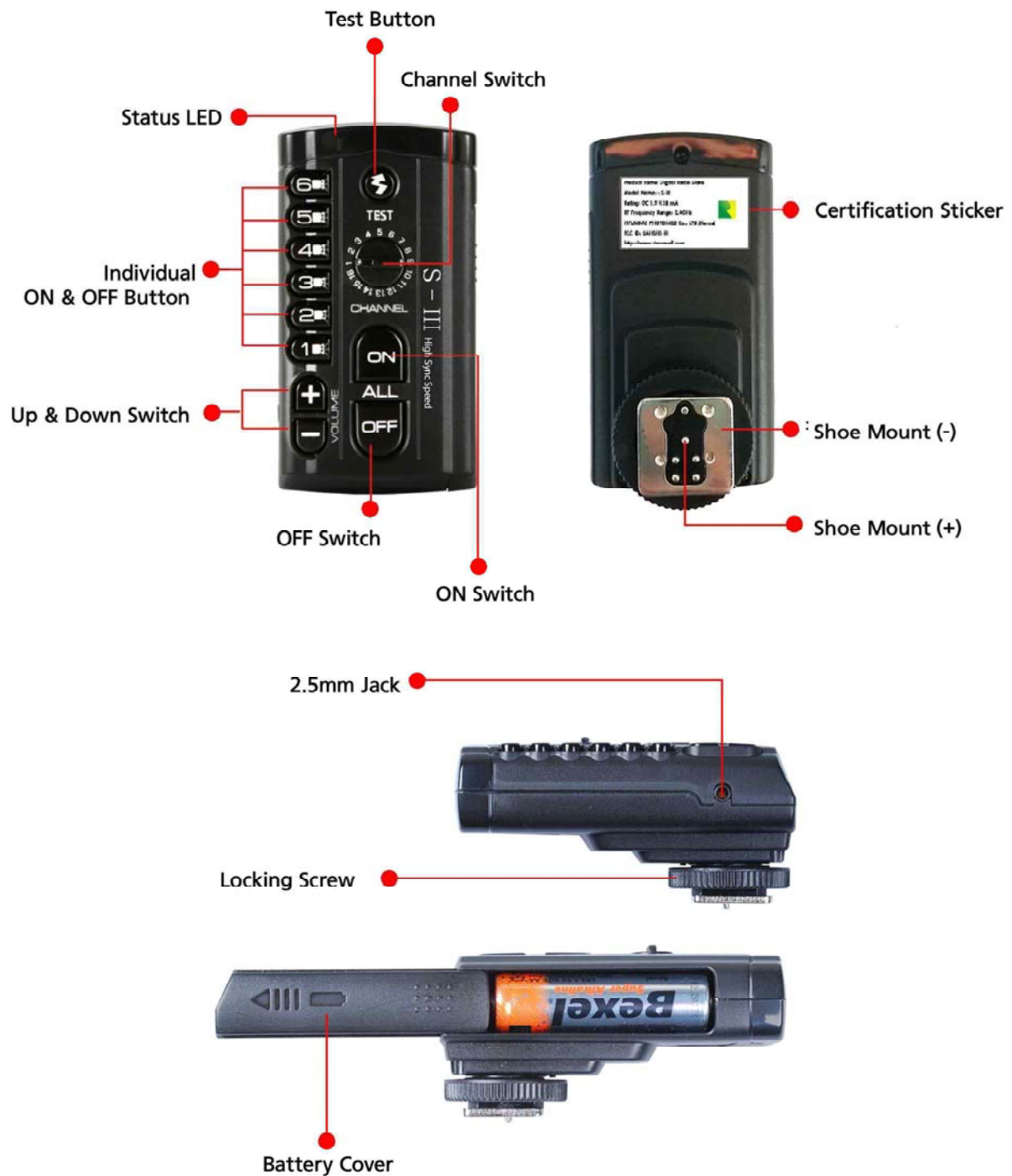
Receiver – Powered by strobe

## ELECTRICAL SPECIFICATIONS – S-III

RF Frequency Range	: 2.427 ~ 2.457 GHz
Transmit Data Rate	: 1000 kbps
Maximum Output Power	: 0 dBm
Receiver Sensitivity	: -85 dBm
Adjacent Channel Rejection	: 20dB at +/-1MHz
Spurious Emission	: -45 dBm at 0.9~12.75GHz
Frequency Bandwidth	: 3MHz
Error Vector Magnitude (EVM)	: 13 %
PLL Lock Time	: 192μsec
Crystal Oscillator Frequency	: 16 MHz
Crystal Frequency Accuracy	: +/- 10ppm
Supply Voltage Range	: 1.5V
Active MCU and TX Mode	: 15 mA
Active MCU and RX Mode Current	: 18 mA
Standby Current POWER-DOWN mode	: 1 μA
RF Antenna	: Micro-strip Antenna

## # Product Composition

### <Part Reference>



## #Transmitter Set up & Operation

Install a AA 1.5V into the transmitter

Slide the transmitter into the hot shoe of your camera and tighten the lock wheel.

Use the included 2.5mm phone jack to connect the transmitter to your camera equipped with a PC jack

Receiver Set up

Insert the S-III receiver into the sync socket of your strobe..

Changing Channels

\*Adjust to the same channel

The S-III has 16 channels To operate, the transmitter and receiver must be on the same channel. Select the desired channel on the transmitter and the receiver. Maintain at least 50cm distance between the transmitter and the receiver for anti RF interference.

Operation

Ensure your strobes are turned off.

Connect single receiver to each strobe as indicated.

Switch your strobe on.

Set a individual number(1-6) by pressing the strobe channel button

Ensure the sync channel on the receiver matches that of the transmitter.

Once "All strobe On" button is pressed, all the strobe will be powered on.

Press individual strobe on button on the transmitter to turn on or off the individual strobe

Light Volume Control Button

Light Volume Control

The Strobe should be provided light volume control function

This function can be useful when the strobe is located in high places.

Press the desired individual number on the transmitter for 2 seconds until the RED LED is blinking then press +/- control button to change the light volume

Note: Light Volume control function is operated with strobe which has an inside receiver only.

## **#Transmitter Operational Description**

Install a AA 1.5V \*1 battery into the transmitter

There is channel buttons (SW12). It provides selectable 16 channels. Please select a desired channel and set the same number between the transmitter and the receiver.

## **#Safety Warnings**

Do not remove instrument covers during operation

Do not operate the S-III in the presence of flammable gases or fumes. Operation of any electrical instrument in such as environment creates an extreme safety hazard.

Turn your equipment OFF before making electrical connections or changing batteries.

Install fresh batteries into the Free-7s system. Weak batteries will shorten the distance of transmission and reception

To avoid battery leakage, always remove the batteries within the units are not in sure for more than a month. Do not use or leave the devices in conditions of extreme heat, severe cold or high humidity.

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.

## **'Caution:**

Any changes or modifications to the equipment not expressly approved by the party responsible for compliance could void user's authority to operate the equipment.