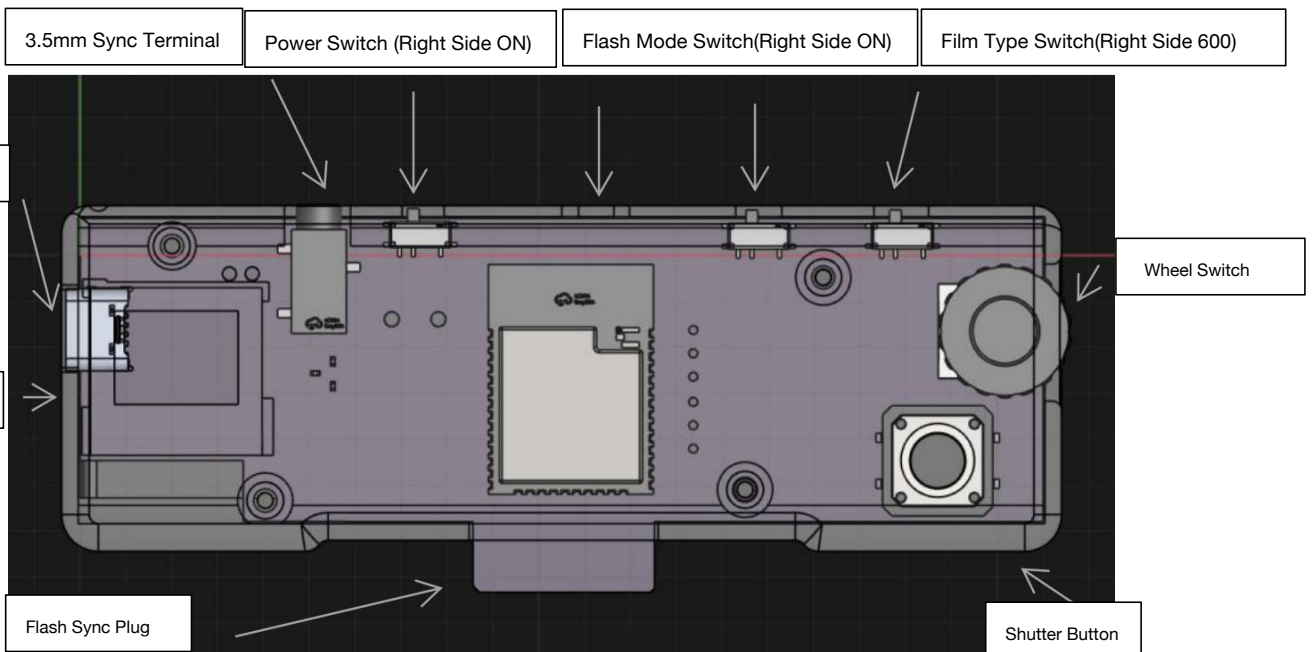# SX70 RII Remote Control Dongle

User Manual

1 Introduction

The SX70 RII Remote Control Dongle is a BLE based wireless controller designed for SX70 Revolution II,which may let you throw away your phone while using the SX70 Revolution II as a normal classic film camera.
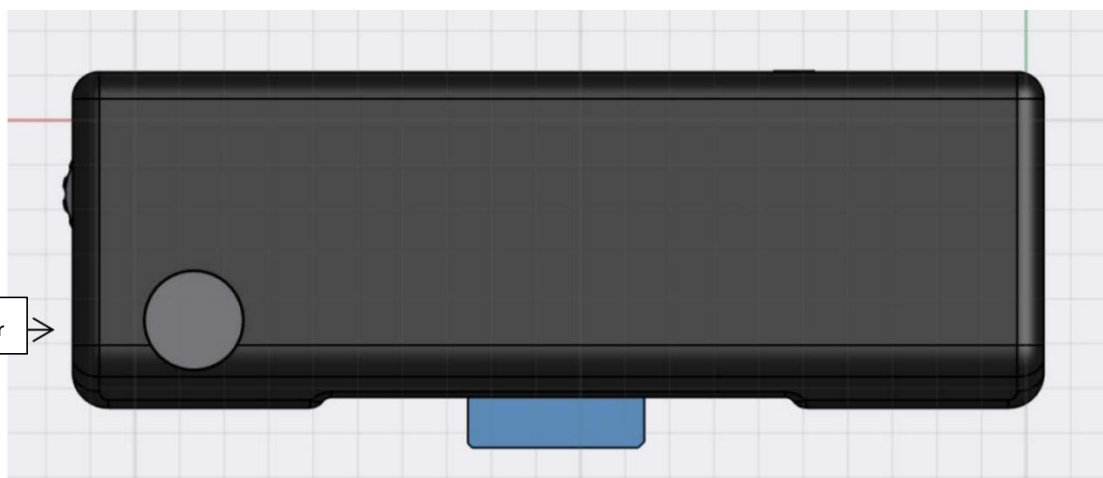
It's basic functions is :

● Switching the shutter speed in manual mode which ranges from 25s - 1/8000s.(The apateur value is equal to F8 for ambient light shooting)

● Self-timer ranges from 9s to 35s

● Both of the shutter speed and self-timer could be changed remotely including remote shutter release.

● Independent build-in light measuring system with a simple but effective Exposure Value indicator.

● Extended flash sync function.A Polaroid-3.5mm flash adapter makes SX70 Revolution II possible to connect with normal flashlight such as Nikon，Canon, Vivitar , National and Meitz.Actual F-Number indicator for every shutter speed value makes it possible to shot with flashilight accurately,even for professional studio photography.

2　Parts

1)　3.5mm Sync Terminal : Use a 3.5mm sync flash cable to connect to a universal flash strobe.

2)　Power Switch:Push to the right to open the controller.

3) Flash Mode Switch:Push to the right to enter flash mode and trigger the flash sync signal.
4) Film Type Switch:Push to the left for 70 series film, push to the right for I-type and 600 Series Film.
5) Wheel Switch:You can toggle and press. Press to select the parameters that need to be adjusted. Toggle to adjust the corresponding parameters.
6) Flash Sync Plug:The flash can be triggered only when the dongle is inserted into the camera body.
7) Type-C Charging Socket:Support 5V1A charger for charging.

Light Measuring Sensor

8) Light Measuring Sensor:When shooting with a non-sonar camera, meter the light first and then focus, otherwise it will block the light measurement sensor.

3   Basic Opreation

3.1 Pairing

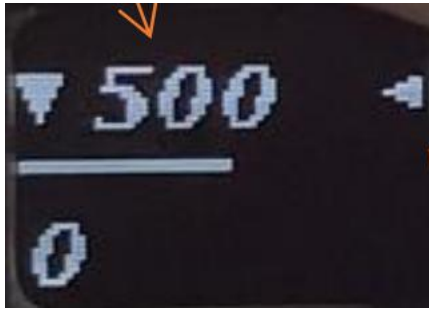The very first step to use this dongle is pairing it with your SX70RII Camera.

First,you should place your SX70RII Camera near by your Dongle then unfold it ,check it's power supply is sufficient or not,don't forget to turn on the battery back if you attached it on your camera.

If the power supply is sufficient,keep pressing the shutter button of the DONGLE while turning on the DONGLE,until the screen turns on and shows "Match".

Match

"Match" means that the Dongle is searching the SX70RII Camera near by.

And if the "Match" disappeared and the Main Opreating Panel is shown on the screen as follows,the paring is successful.
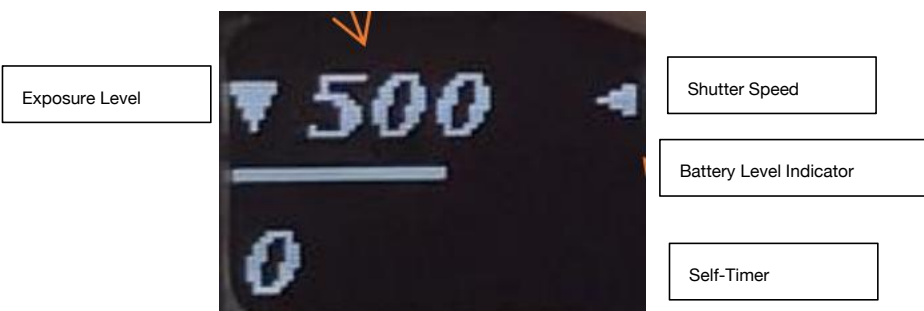
If the screen shows "Multiple Detected",please make sure the SX70RII Camera which you want to pair is the only UNFOLD camera near by the Dongle and fold the other unnecessary camera,then press the Shutter Button again to pair again.

Multiple
Detected

If the screen shows "No Found",please cheak the power supply of the camera again,then press the Shutter Button of the Dongle again to pair again.

No
Found

3.2 Main Opreating Panel

Exposure Level

Shutter Speed

Battery Level Indicator

Self-Timer

1) Battery Level Indicator： The battery power display will gradually become shorter as the battery is used.
2) Self-Timer： The Self-Timer only only works when using the shutter button on the Dongle,no matter when you press the shutter release button on the camera body,the shutter will release immediately.
3) Exposure Level： The exposure value indicator uses two arrows and a dot to indicate the current exposure status.An upward arrow indicates that the current shooting parameters will overexpose, a downward arrow indicates underexposure, and a dot

indicates normal exposure.Turn the Wheel Switch in the direction of the arrow until the dot appears, and the exposure is normal at this time.

4) Shutter Speed:The available shutter speed are A, T, 25s-1/8000s

3.3 Basic Operation(Ambient Light)

3.3.1 Using The A Mode

Before turning on the Dongle, please make sure that the Film Type Switch is in the position that matches the Film you are using. If you use Itype or 600 series film, please put the Film Type Switch on the right side, if you use 70 series film, please put the Flim Type Switch on the left side. If you want to change the type of film used, please adjust the Film Type Switch after turning off the power, and then turn it on again.

When the wheel switch is turned until the shutter speed shows "A", the camera is in the state that the body measures the light and automatically exposes. There is no difference from not using the dongle at this time.

>A	<
0	

If the dongle is inserted into the body and the flash switch is on the **right side**, the Polaroid flash mode will be triggered. In order to ensure normal exposure, please connect a flash with a guide index of GN18. At this time, the camera is equivalent to connecting to a Mint Flash Bar. If you don't want to shoot with flash, please **pull the dongle out of the camera or set the Flash Switch to the left.**

At this time, the dongle is equivalent to a Bluetooth remote controller. You can press the shutter button on the dongle to remotely release the shutter within a distance of 5m. Or you can press the wheel switch for a while and release it. When you see the indicator arrow at the self-timer position, you can turn the wheel switch to select the self-timer delay time, and then press the shutter button on the dongle to take a timed shot.

3.3.2 Using The M Mode

Before turning on the Dongle, please make sure that the Film Type Switch is in the position that matches the Film you are using. If you use Itype or 600 series film, please put the Film Type Switch on the right side, if you use 70 series film, please put the Flim Type Switch on the left side. If you want to change the type of film used, please adjust the Film Type Switch after turning off the power, and then turn it on again.

When the value other than "A" is displayed on the Main Operating Panel of the dongle, it enters the Manual Mode.

In Manual Mode, the exposure parameters of the body are controlled by Dongle in real

time. When shooting in Ambient Light, the default aperture value is F8, and the ISO is determined by the film you use.

When using Itype or 600 series film, the ISO is 640. When using 70 series photo paper, the ISO is 125.

In Manual Mode, Dongle's light measurement system will be put into operation. At this time, the shutter speed will be measured according to the Film you selected and the aperture F8. You can follow the indication of the Exposure Value Indicator and rotate the Wheel Switch until the exposure is correct.

·2000	<
0	

Be careful not to obstruct the light measurement hole with your fingers when taking the light measurement.

3.3.3 Long Time Exposure

When Shutter Speed displays "T", you can enter the long exposure mode. At this time, press the Shutter Button on the Dongle once to open the shutter.

^T	<
0	

3	

^T	<
0	

The current cumulative exposure time will be displayed on the screen.

Press again when the specified time is reached. Shutter Button to close the shutter and spit out the Film.

Note that in the "T" state, the shutter button on the camera body and the set Self-Timer will be invalid.

3.4 Basic Operation(Flash Photography)

3.4.1 Using the A Mode

Before turning on the Dongle, please make sure that the Film Type Switch is in the position that matches the Film you are using. If you use Itype or 600 series film, please put the Film Type Switch on the right side, if you use 70 series film, please put the Flim Type Switch on the left side. If you want to change the type of film used, please adjust the Film Type Switch after turning off the power, and then turn it on again.

The built-in flash mode of the Polaroid SX70 camera requires a constant power output from the flash. Make sure your flash power is between GN 27-32 when using 70 Series Film, and GN18-22 when using 600 series or Itype Film.

Plug the Dongle into the camera body, connect your flash through the 3.5mm terminal, confirm the correct output power of the flash and the Flash Switch is on the Right Side then select the shutter gear to "A" to start shooting.

3.4.2 Using the M Mode

Before turning on the Dongle, please make sure that the Film Type Switch is in the position that matches the Film you are using. If you use Itype or 600 series film, please put the Film Type Switch on the right side, if you use 70 series film, please put the Flim Type Switch on the left side. If you want to change the type of film used, please adjust the Film Type Switch after turning off the power, and then turn it on again.

When shooting in Manual Mode, you can use a Flash Strobe with a minimum output power of GN14 for flash shooting.

Due to the special shutter structure of the Polaroid SX70 camera, the aperture and shutter of this camera cannot be adjusted independently, but we have determined the aperture value of each manual shutter at the moment of triggering the flash through experiments, and applied it to the Dongle.

In Manual Mode, **tap the Wheel Switch once** and the Shutter Speed display will become the Flash Reference Aperture under the current Shutter Speed.**It should be noted that Flash Reference Aperture only works when calculating flash output power.**

^2000 <
0

^F32 <
0

Next, choose any shutter speed you like and refer to the Flash Reference Apateur provided by Dongle and the Film you are using to set your Auto flash or refer to the data sheet given by the flash manufacturer to calculate and set the output power of the flash.Plug the Dongle into the camera body, connect your flash through the 3.5mm terminal,confirm the Flash Switch is on the Right Side then start shooting.

3.4.3 Fill in Flash

Since Dongle comes with an independent light measurement system and provides Flash Reference Amateur, it is possible to use the SX70 camera for **Fill in Flash**.

To perform the Fill in Flash, the first step is to use a light meter or the Dongle's own light measurement system to measure the ambient light.Please refer to 3.3.2 for the measurement method.

·2000	<
0	

·F32	<
0	

After getting the corresponding shutter speed, tap the Wheel Switch to get the Flash Reference Apateur.

Next, refer to the Flash Reference Apateur provided by Dongle and the Film you are using to set your Auto flash or refer to the data sheet given by the flash manufacturer to calculate and set the output power of the flash.Plug the Dongle into the camera body, connect your flash through the 3.5mm terminal,confirm the Flash Switch is on the Right Side then start shooting.

3.5 Self-Timer

When you need to adjust the Self-Timer, press and hold the Wheel Switch for 1 second and then release it.

^2000	<
0	

^2000	
9	<

You will see the arrow on the right side of the screen move downwards. At this time, you can rotate the Wheel Switch to set the Self-Timer.

After the setting is completed, you can press and hold the Wheel. Release the Switch after 1s and return to the adjustment of shutter parameters.

Press the Shutter Button of the Dongle to take a selfie according to the set Self-Timer.

Self-Timer will not work when using Long Time Exposure or Pressing Shutter Button of the camera body.

3.6 Sleep

The following situations will trigger the camera to sleep：

1) If the device is not found 30 seconds after the dongle is turned on, as the screen displays "Connect Failed",it will turn off the screen and go to sleep.

| **Connect** |
| **Failed** |

2) When the screen displays the Main Operation Panel and there is no operation within five minutes, the Dongle will turn off the screen and sleep.

Tap the Wheel Switch to wake up the Dongle.

After waking up, the Dongle will reset the shutter speed to "A". During sleep, the camera will maintain the shutter speed setting before sleep.

3.7 Charging

When the charging cable is plugged in, the Dongle will light up with a red LED light.

Please keep the power switch of the Dongle on while charging.

When the battery is full, the red light will go out.

The Dongle can be used normally during charging.