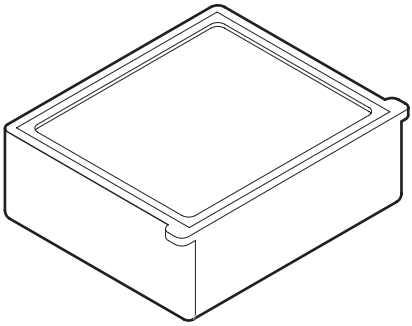
SEKONIC

Transmitter
RT-GX
Operating Manual



Godox

This manual is specific for Godox® operation.
Please read the "Operating Manual" and "Safety Precaution" so that you will fully understand the features and operation of this product.
Keep the operating manual in a safe place for future use.

■ Safety Precautions

Before using this product, please read this "Safety Precautions" for proper operation.

⚠ WARNING	The WARNING symbol indicates the possibility of death or serious injury if the product is not used properly.
⚠ CAUTION	The CAUTION symbol indicates the possibility of minor to moderate personal injury or product damage if the product is not used properly.
NOTICE	The NOTICE symbol indicates cautions or restrictions when using the product. Please read all notes to avoid errors in operation.
NOTE	The reference symbol indicates additional information about the controls or related functions. Reading these is recommended.
➡	The arrow indicates reference pages.

⚠ WARNING

- **Please refrain from opening the product packaging with wet hands or in a dusty environment as this may cause damage to the product.**
- **Keep the materials used in this product out of the reach of children to prevent accidental ingestion and misuse.**

⚠ CAUTION

- **To avoid damage from static electricity, remove the static electricity from your body by touching metals located nearby (e.g. door knob, aluminum sash) before touching the radio transmitting module.**
- **Do not under any circumstances remodel or disassemble this product for modification or part replacement purposes.**

■ Terms and Trademarks

Godox® is the registered trademark of Godox Photo Equipment Co. Ltd.

NOTICE

- Do not use the meter in Cord Flash Mode at altitudes above 2,000m (6,561 feet).
- Be sure not to drop the product or subject it to sudden impacts, as the product will be damaged.
- Do not store the product in areas of high temperature of high humidity, as the product will be damaged.
- Be careful not to transport the product from cold to warm moist conditions as condensation will form on the product and may damage it.
- If the product is left in direct sunlight, a vehicle, or near a heater, the unit's temperature will rise and may result in damage. Please be careful when using the product in these types of locations.
- If the product is left where corrosive gases may be generated, the gases may affect the product and may result in damage. Please be careful when using the product in these types of locations.
- Reproduction of all or any part of this document without permission is strictly forbidden.
- The contents of this manual may be subject to change for the product's specification modifications and other reasons without prior notice.
- The screens in this operating manual may differ from the actual displays of the product you are using. (Colors, letters, etc.)

NOTE

In case of disposing the product, follow the rules of disposal in your area.

List of Applicable Model

This transmitter is an accessory dedicated to the following model (light meter).

Model		
Transmitter Model	Manufacturer/Frequency	L-858D Series Serial No.
RT-GX	Godox : 2.4GHz	JY10-XXXXXX (For Japan)
		JY11-XXXXXX (For Europe and Canada)
		JY1L-XXXXXX (For US)
		JY1G-XXXXXX (For China)

NOTICE

- Check if L-858D firmware is the latest version by using "Update Settings" function of Data Transfer Software connected with L-858D.
- Download the Data Transfer Software from www.sekonic.com, and install it on your computer.
  URL: https://www.sekonic.com/support/downloads/dtssoftwareformacandwindows.aspx
  To use this software, connect your computer to the L-858D using a USB cable (micro-B type, available commercially).

■ Intended Use

This product can be used in the following situations.

- Radio wave-based flash light triggering or output power control
- Radio wave-based modeling lamp ON/OFF or output power control

■ Intended Users

The intended users of this product are those who are engaged in shooting or related businesses, such as photographers, who use the flash units.

■ Disclaimer

The Company shall not be liable for any direct or indirect damage resulting from the failure of this product or its use.

Features of the RT-GX

To use the radio triggering mode of the L-858D after the transmitter is installed, the flash unit must be equipped with a radio function supported by a specified manufacturer, or a receiver supporting the radio function must be connected to the flash unit.
Using the radio triggering mode, firing a flash or adjusting the output power by yourself can be easily accomplished remotely.

- Take measurements by placing the product at the subject's position with the light receptor (retracted lumisphere) facing toward the light sources of main light and fill light directly. Adjust the measured values for the desired lighting ratio.
- Turn on all light sources to measure the final exposure, and point the lumisphere (extended lumisphere) at the camera from the position of subject (➡P16, P31, P39)

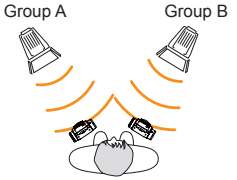


Figure 1

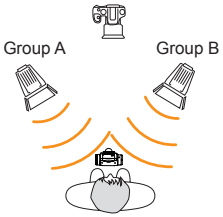


Figure 2

Godox : Group : A to F, 0 to 9

	Light meter (with the transmitter installed)
	Light source (with a receiver built-in/installed)
	Camera

Note that this transmitter of RT-GX only supports the Godox® radio system.

Manufacturer	Radio CH/Group	Function
Godox	Channel : 1 to 32 Group : A to F, 0 to 9, ALL Wireless ID : OFF, 1 to 99	Flash light triggering and output power control, modeling lamp ON/OFF and output power control

Restrictions

There are some cautions and restrictions regarding the use of this product.
Please read and understand the following before using the product.

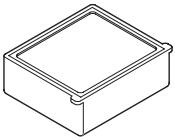
NOTE

- The operation of this product may change without prior notice due to specification changes or other reasons. Therefore, the contents of this operating manual may differ from actual operation of the product.
  URL: https://www.sekonic.com/support/downloads
- The safety-related precautions such as "Safety Guide and Maintenance" and "Safety Precautions" conform to the legal and industry standards that were applicable at the time this operating manual was created. Therefore, this manual may not contain the latest information. If you are using the previous operating manual, please download and refer to the latest operating manual.
- Before using this product, please read this "Safety Precautions" for proper operation.
- The product may contain printing materials such as cautions related to safety and/or printing errors as a supplement to the operating manual.
- The contents of this operating manual may be reproduced for non-commercial purposes and for personal use only. However, the reproduced material must contain the copyright notice of our company.
- The screens in this operating manual may differ from the actual displays of the product you are using. (Colors, letters, etc.)

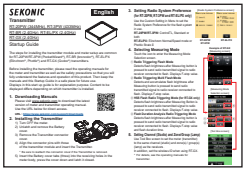
Accompanying Accessories

The following items are included with the Transmitter RT-GX. Please be sure to check that all noted items are included.
If any items are missing, please contact the distributor or the reseller you purchased the transmitter from.

Transmitter Godox



Startup Guide



Safety Precaution

Table of Contents

1. Before Use

1-1 Installing the Transmitter

⚠ WARNING

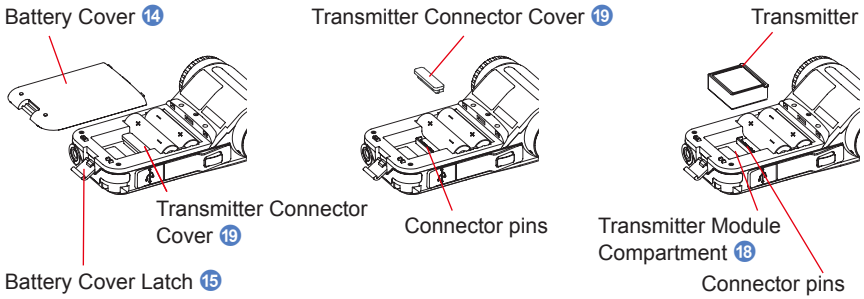
- **Please refrain from opening the product packaging with wet hands or in a dusty environment as this may cause damage to the product.**
- **Keep the materials used in this product out of the reach of children to prevent accidental ingestion and misuse.**

⚠ CAUTION

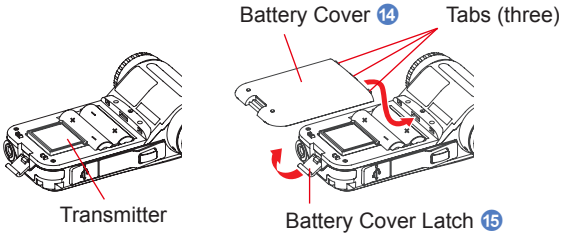
To avoid damage from static electricity, remove the static electricity from your body by touching metal objects located nearby (e.g. door knob, aluminum sash) before touching the radio transmitting module.

The numbering below refers to the L-858D Operating Manual.

1. **Turn OFF the meter.**
2. **Unlatch ⑮ and remove the Battery Cover ⑭.**
3. **Remove the Transmitter Connector Cover ⑲.**
4. **Align the connector pins with those of the Transmitter Module Compartment ⑱ and insert the Transmitter.**



5. Insert the Battery Cover ⑭ tabs (three) into the receiving holes in the meter body, press the Battery Cover ⑭ down and close the Battery Cover Latch ⑮.



2. About Godox Radio System

2-1 Overview

Triggering and controlling Godox Wireless Flash require using Godox Wireless Flash units receiver attached or installed. Once the transmitter module is installed in your L-858D, you will be able to adjust the power level and trigger flashes to get the look you desire.
For more information about the meter, refer to the L-858D Operating Manual.
For more information about Godox Wireless radio systems, go to http://www.godox.com/EN/index.html

NOTICE

Successful radio triggering depends on several factors. Please read these setup steps before using the L-858D to radio trigger flash units.

1. It is the best to position the meter in sight of the radio receiver (or flash head).
2. Position the radio receiver so that it is away from large metallic objects, concrete, or containers of water (like people).
3. Sometimes, conditions do not allow radio reception. These could include strong local radio interference or being near objects that block or absorb the signal. Repositioning the radio, even slightly, can reestablish contact. Alternatively, check to see if the radio receiver is behind objects that absorb or block radio waves, such as concrete, metal or low hill.
4. Operation is the best when the meter to receiver distance is within 30 meters (100 feet).

2-2 Setting the Radio CH/Group

Set the radio channel and Group used on Godox radio system.

2-2-1 Setting on the Tool Box Screen

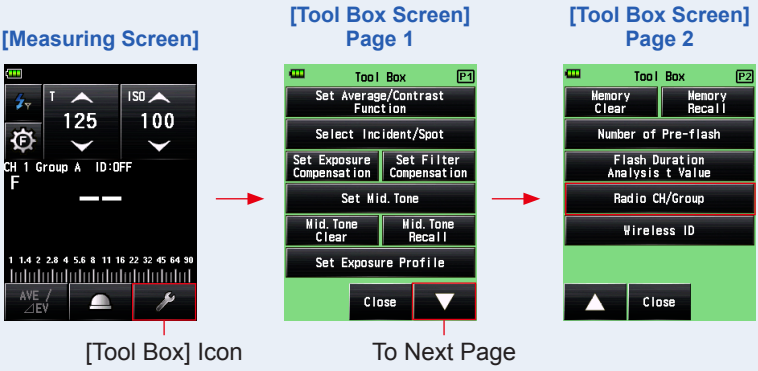
Operation

1. **Select any Radio Mode in the Measuring Mode Screen.**
   (➡ P13 “ ”, ➡ P24 “ HLT”, ➡ P28 “ HSS”➡ P35 “ FDA”)

2. **Touch the [Tool Box] Icon ( ) on the Measuring Screen.**
   The Tool Box Screen is displayed.

3. **Touch the [Next Page] Icon ( ) of the Tool Box to display the Tool Box showing [Radio CH/Group].**

4. **Touch [Radio CH/Group] Button.**
   The Radio CH/Group Setting Screen is displayed.

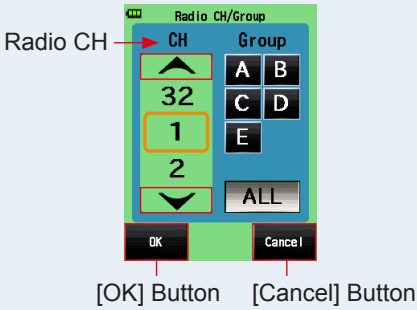


* When the Multiple (Cumu.) Flash mode is selected, the displayed information are different from those shown above.

5. Select "CH" (Radio Channel) to use.

Touch the arrows / , or slide your finger over the screen to select the channel from 1 to 32.

[Radio CH/Group Setting Screen]

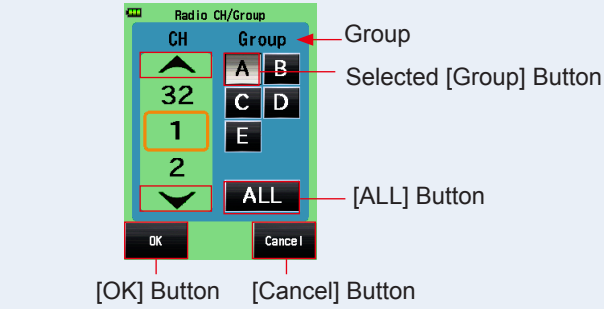


6. Select the desired Group.

The background color of the selected [Group] Button is displayed in gray.

Select the desired Group by touching a [Group] Button (default setting: A to E).

[Radio CH/Group Setting Screen]



NOTE

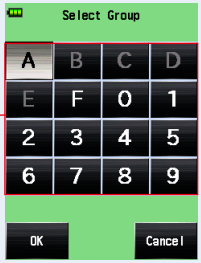
Depending on the Godox products, the number of CH (channel) or the description of Group could be different. Please check the setting of your receiver (flash).

7. To change the Group to be displayed, touch the selected Group again.

Select Group Screen is displayed and a hidden Group can be selected.

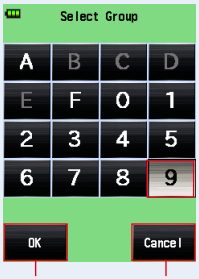
Touch the [Group] Button (A to F, 0 to 9) you want to set and select the group.

[Select Group Screen]



[Group] Button

[Select Group Screen]



[OK] Button [Cancel] Button

NOTE

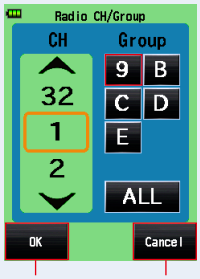
Select Group Screen is not displayed even if touching [ALL] Button twice.

8. Touch [OK] Button.

The setting is entered, and the display returns to the Radio CH/Group Setting Screen.

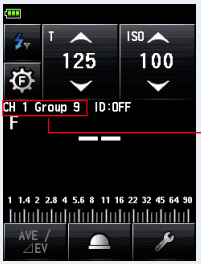
Touch the [Cancel] Button to return to the Radio CH/Group Setting Screen without making the modification.

[Radio CH/Group Setting Screen]



[OK] Button [Cancel] Button

[Measuring Screen]



Radio CH/Group

9. Touch [OK] Button.

The setting is entered, and the display returns to the Measuring Screen.

Touch the [Cancel] Button to return to the Measuring Screen without making the modification.

NOTE

- The last selected Group in Radio CH/Group Setting Screen is activated in Measuring Screen.
- It is also possible to select a Group from the Flash Power Control Screen. (➡ P8)
- For touch/slide operations, refer to the Operating Manual of the light meter.
- For radio CH frequencies, refer to “5. Radio Channel Frequencies”. (➡ P48)

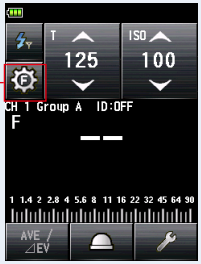
2-2-2 Setting in Measuring Screen (Group setting only)

Operation

1. Touch the [Flash Power Control] Icon ( ) on the Measuring Screen.

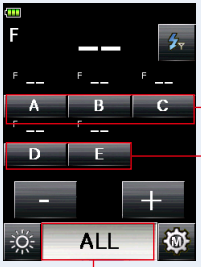
The Flash Power Control Screen is displayed.

[Measuring Screen]



[Flash Power Control] Icon

[Flash Power Control Screen]



[Group] Button

[ALL] Button

2. Touch the Group Setting Button.

The background color of the selected [Group] Button is displayed in gray.

Select the desired Group by touching a [Group] Button (default setting: A to E).

[Flash Power Control Screen]

Selected [Group] Button

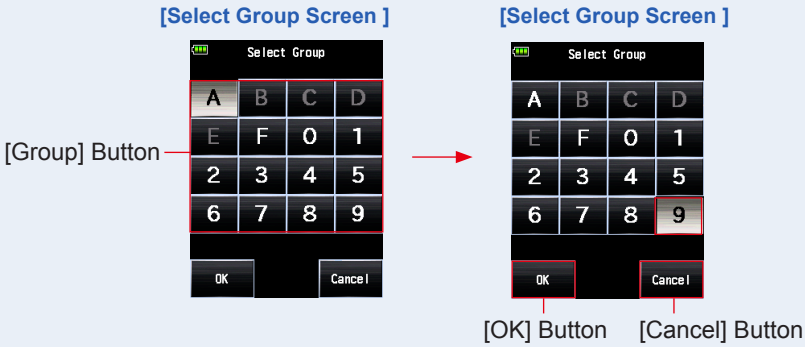
NOTE

Depending on the Godox products, the number of CH (channel) or the description of Group could be different. Please check the setting of your receiver (flash).

3. To change the Group to be displayed, touch the selected Group again.

Select Group Screen is displayed and a hidden Group can be selected.

Touch the [Group] Button (A to F, 0 to 9) you want to set and select the group.



NOTE

Select Group Screen is not displayed even if touching [ALL] Button twice.

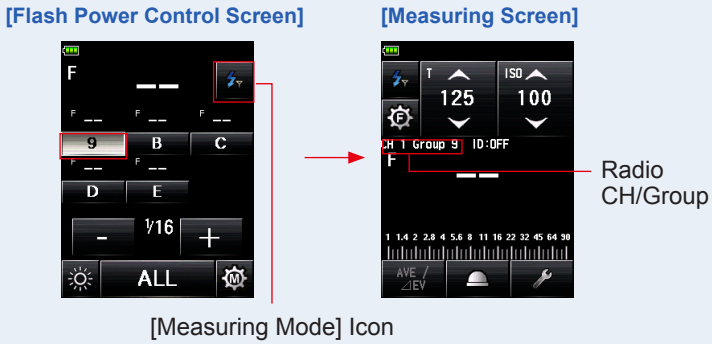
4. Touch [OK] Button.

The setting is entered, and the display returns to the Flash Power Control Screen.

Touch the [Cancel] Button to return to the Flash Power Control Setting Screen without making the modification.

5. Touch the [Radio Triggering Flash Mode] Icon( ).

The display returns to the Measuring Screen.



NOTE

- The last selected Groups in Radio CH/Group Setting Screen is activated in Measuring Screen.
- CH can be set only in Radio CH/Group Setting in Tool Box. (➡ P4)
- For touch/slide operations, refer to the Operating Manual of the light meter.
- For radio CH frequencies, refer to “5. Radio Channel Frequencies”. (➡ P48)

2-3 Setting the Wireless ID

To use Wireless ID with Godox radio system, the same Wireless ID should be set to the light meter. If your receiver (flash) doesn't have Wireless ID setting, please make sure to select OFF.

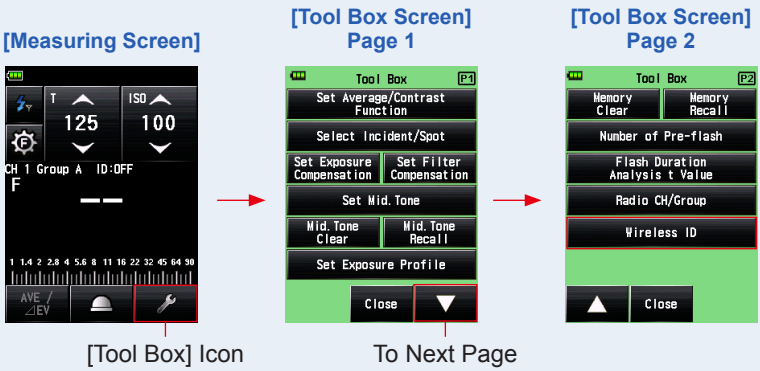
Operation

1. **Select any Radio Mode in the Measuring Mode Screen.**
   (➡ P13 "", ➡ P24 "MLT", ➡ P28 "HSS"➡ P35 "FDA")

2. **Touch the [Tool Box] Icon ( ) on the Measuring Screen.**
   The Tool Box Screen is displayed.

3. **Touch the [Next Page] Icon ( ) of the Tool Box to display the Tool Box showing [Wireless ID].**

4. **Touch the [Wireless ID] Button.**
   The Wireless ID Setting Screen is displayed.

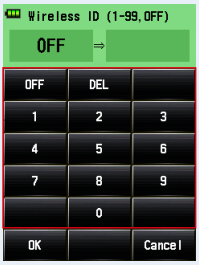


* When the Multiple (Cumu.) Flash mode is selected, the displayed information are different from those shown above.

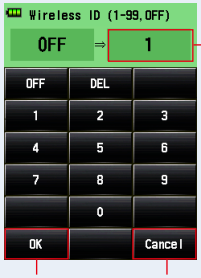
5. Touch a number to select 1 to 99.

You can set the Wireless ID from 1 to 99 or OFF.

[Wireless ID Setting Screen]



[Wireless ID Setting Screen]



The entered number is displayed

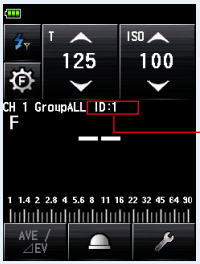
[OK] Button [Cancel] Button

6. Touch [OK] Button.

The setting is entered, and the display returns to the Measuring Screen.

Touch the [Cancel] Button to return to the Measuring Screen without making the modification.

[Measuring Screen]



Wireless ID

NOTE

If your receiver (flash) doesn't have Wireless ID setting, or Wireless ID is set to OFF in the receiver (flash), please make sure to select OFF on the light meter setting.

2-4 Measuring

Radio Triggering measurement is available in the following modes:

- Radio Triggering Flash Mode
- Radio Triggering Multiple (cumulative) Flash Mode
- HSS (High Speed Synchro) Flash Radio Triggering Mode
- Flash Duration Analysis Radio Triggering Mode

2-4-1 Radio Triggering Flash Mode

The meter detects flash brightness after Measuring Button is pressed to send radio transmitted signal to radio receiver connected to flash. F-stop value is displayed for input ISO sensitivity and shutter speed. Depending on the radio system in use, the meter controls the output power of flash units and the modeling lamps with turning ON/OFF.

Operation

1) How to use Flash Triggering

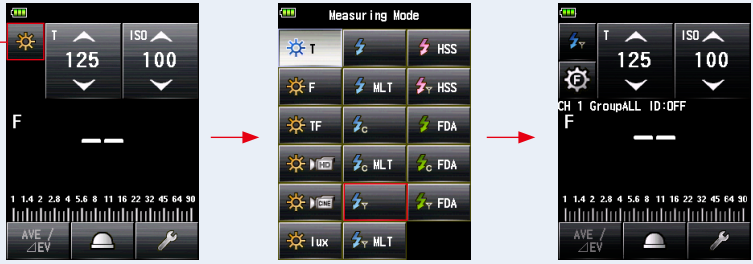
1. Touch the [Measuring Mode] Icon on the Measuring Mode Screen.

The Measuring Mode Screen is displayed.

2. Touch the [Radio Triggering Flash Mode] Icon ( ) in Measuring Mode Screen.

When it is selected, the display changes to the Measuring Screen.

[Measuring Screen] [Measuring Mode Screen] [Measuring Screen]



[Measuring Mode] Icon

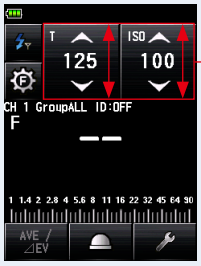
3. Set the light receiving method.

Switch to the incident light, extended lumisphere ( )/retracted lumisphere ( ), or reflected light.

4. Set the ISO sensitivity value on the [ISO] Icon.

5. Set the shutter speed on the [T] Icon.

[Measuring Screen]



Setting Value

NOTICE

Make sure that the settings are within the specifications of the camera and flash system.

6. Make sure that the set CH (channel), Group and Wireless ID are the same between the light meter and the receivers in use. (➡P4, P8, P11)

[Measuring Screen]

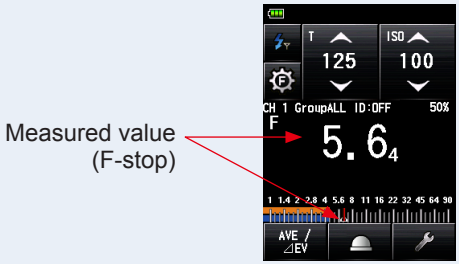
Wireless ID

Radio CH/Group

7. Press the Measuring Button 6.

The flash will fire and the measured value (F-stop) will be displayed.

[Measuring Screen]



NOTICE

In case of the following, please follow “Cord Flash Mode” ( ).

- When firing the flash, if the flash brightness is lower than the ambient light, the meter may fail to detect the light.
- Rapid start fluorescent lamps and special lighting are sometimes mistaken for flash and accidentally measured.
- Even if the flash does not fire, when a sudden light change occurs in the light receptor, measurement may be made.
- The waveform of a flash bulb has a slight slope and there is a possibility that the light meter cannot recognize the flash bulb.

NOTE

- For red-eye prevention and auto-flash light adjustment, some devices can pre-flash before main flash burst. With the normal setting, the light meter will measure the pre-flash bursts and not the main flash burst. To take a successful reading, activate the pre-flash feature in the Tool Box. Please refer to the L-858D Operating Manual.
- For radio CH frequencies, refer to “5. Radio Channel Frequencies”. (➡ P48)

2) How to use Flash Power Control

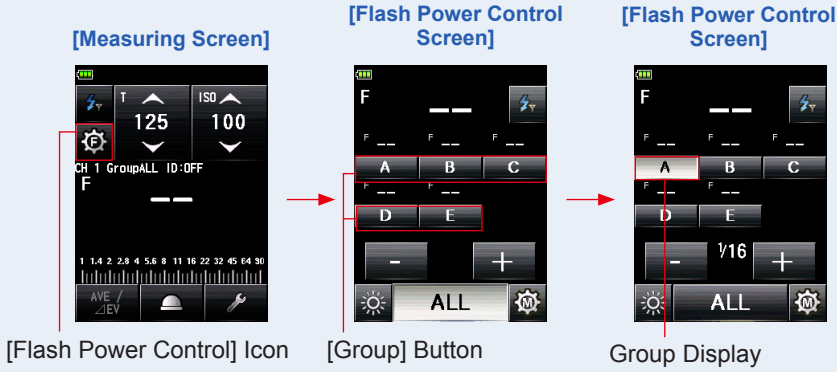
1. Touch the [Flash Power Control] Icon ( ) on the Measuring Screen.

The Flash Power Control Screen is displayed.

Take measurements by placing the meter at the subject's position with the light receptor (retracted lumisphere) facing toward the light sources of main light and fill light directly. Adjust the measured values for the desired lighting ratio. (➡Figure 1. of Piv)

2. Select a [Group] Button (default setting: A to E) on the Flash Power Control Screen.

Only flash unit with the receiver set to the selected Group will fire.



NOTE

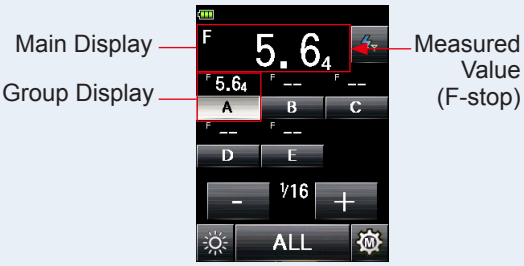
To select the group which is not displayed, go to Select Group Screen and select (A to F, 0 to 9). (➡ P8)

3. Press the Measuring Button ⑥.

The flash of the selected Group will fire, and the measured value (F-stop) will be displayed.

The measured value is displayed in the main display and the Group display over the selected Group in the Flash Power Control Screen.

[Flash Power Control Screen]

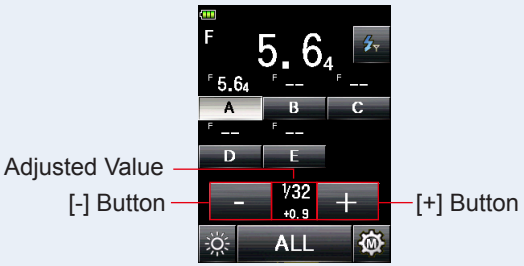


4. Touch [+] + or [-] - Button.

Touching the [+] or [-] Button will increase or decrease the power of the flash in 0.1 step for the selected Group. When holding the button longer (1 second), the power will be adjusted in 1 (full) step.

The adjusted value will be displayed in the Adjusted Value area.

[Flash Power Control Screen]



NOTICE

- Default output power is 1/16 for the first flash triggered by light meter, irrespective of the flash setting.
- Although 1/1 to 1/256 can be set, the adjustment must be within the upper and lower limit of the power level specification of the flash unit.

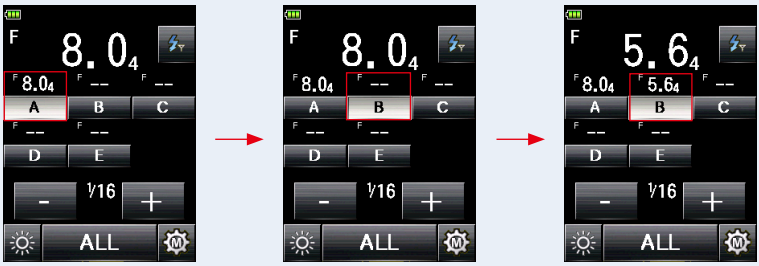
5. Press the Measuring Button ❻ again.

The measured value (F-stop) will be displayed. Check that the output power of the flash is the desired value.

6. Repeat Steps 2 to 5.

Repeat the procedure for other Groups until each flash unit's brightness is set to proper value for the effect you want.

[Flash Power Control Screen]

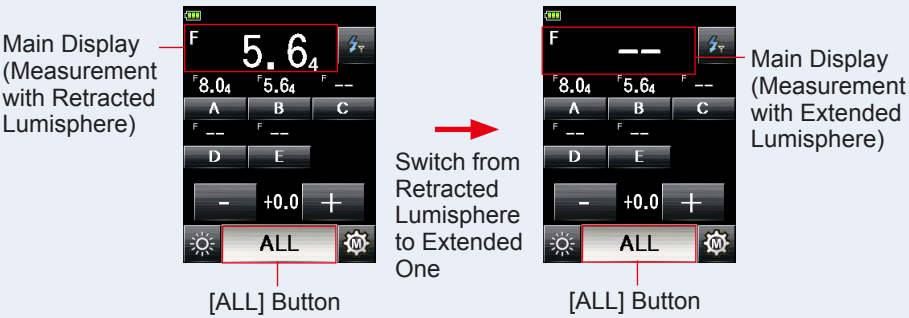


7. Touch [ALL] Button, then press the Measuring Button ❻.

Point the meter (lumisphere) at the camera from the position of subject to make a measurement.

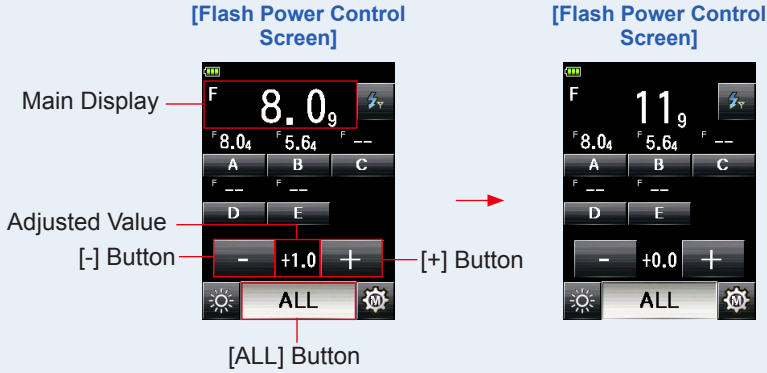
All flash units of the selected Group will fire, and the total exposure (F-stop) will be displayed in the main display. (➡Figure 2. of Piv)

[Flash Power Control Screen]



8. With [ALL] Button selected, touch [+] + or [-] - Button. Press the Measuring Button 6 again.

You can adjust the total power level while the lighting ratio of each Group is being fixed.



NOTICE

- Use the measurement with retracted lumisphere to see the lighting ratio of each Group, and use the extended lumisphere for final exposure.
- The measurements between extended lumisphere and retracted lumisphere are different due to light distribution characteristic. When the lumisphere is switched between extended and retracted status, the measurement on the main display is cleared. However, on the flash power control screen, the measurements of each Group remain.
- When the lumisphere is switched between extended and retracted status on any screen except the flash power control screen, the measurements of each Group are all cleared. Please extend/retract the lumisphere on the flash power control screen.

NOTE

- To set ISO sensitivity and shutter speed, press the [Radio Triggering Flash Mode] Icon ( ) to return to the Measuring Screen.
- The last selected Group in either Flash Power Control Screen or Radio CH/Group Setting Screen in Tool Box is activated in Measuring Screen.

Difference in step of output value from the default setting value of 1/16

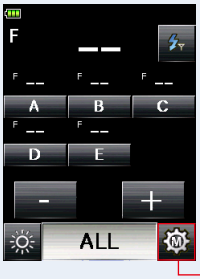
Output value	Difference in Step	Output value	Difference in Step
1/128	-3.0	1/8	+1.0
1/64	-2.0	1/4	+2.0
1/32	-1.0	1/2	+3.0
1/16	**±0.0**	1/1	+4.0

3) How to use Modeling Lamp Power Control

1. Touch the [Modeling Lamp Power Control] Icon ( ) on the Flash Power Control Screen.

The Modeling Lamp Power Control Screen is displayed.

[Flash Power Control Screen]



[Modeling Lamp Power Control] Icon

2. Select a [Group] Button (default setting: A to E), and touch the [Modeling Lamp ON/OFF] Icon ( ).

The modeling lamp of the selected flash lights up.

[Modeling Lamp Power Control Screen]

[Group] Button

[Modeling Lamp ON/OFF] Icon

3. Press the Measuring Button 6.

The modeling lamp of selected Group is measured.

The measured value is displayed in the main display and the Group display over the selected Group in the Modeling Lamp Power Control Screen.

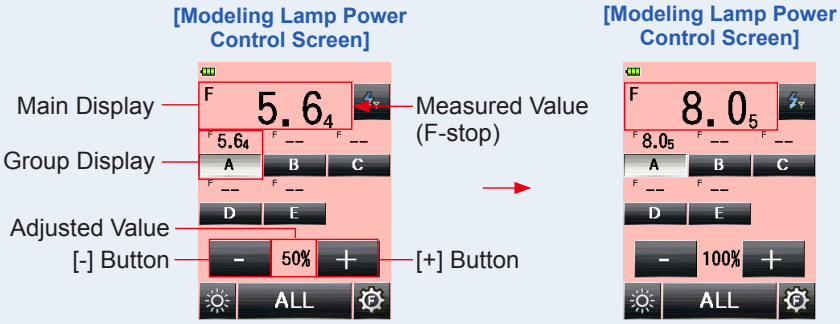
4. Touch [+] + or [-] - Button.

Touching the [+] or [-] Button icon will increase or decrease the power of the modeling lamp in 10% step for the selected Group.

The adjusted power level is displayed on the adjusted value display.

5. Press the Measuring Button 6 again.

Check that the output power of the modeling lamp is the desired value.



NOTICE

- Default output power is 50% for the first measurement of modeling lamp triggered by light meter, irrespective of the flash setting.
- From 0% to 100% can be set. This setting is not available depending on the model of the flash.

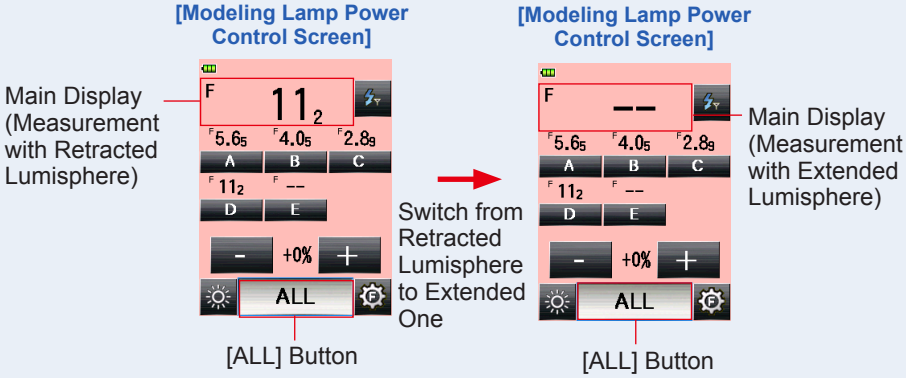
6. Repeat Steps 2 to 5.

Repeat the procedure for other Groups until each flash unit's modeling lamp is set to proper value for the effect you want.

7. Touch [ALL] Button, then press the Measuring Button 6.

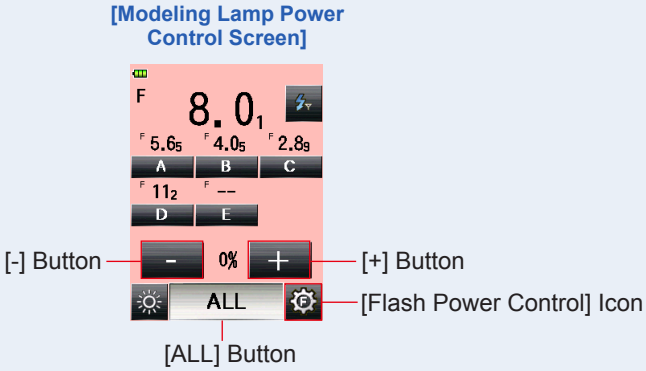
Point the meter (lumisphere) at the camera from the position of subject to make a measurement.

All modeling lamp of the selected Group will fire, and the total exposure (F-stop) will be displayed in the main display. (➡Figure 2. of Piv)



8. With [ALL] Button selected, touch [+] + or [-] - Button.

You can adjust the total power level while the lighting ratio of each Group is being fixed.



NOTICE

- Use the measurement with retracted lumisphere to see the lighting ratio of each Group, and use the extended lumisphere for final exposure.
- The measurements between extended lumisphere and retracted lumisphere are different due to light distribution characteristic. When the lumisphere is switched between extended and retracted status, the measurement on the main display is cleared. However, on the modeling lamp power control screen, the measurements of each Group remain.
- When the lumisphere is switched between extended and retracted status on any screen except the modeling lamp power control screen, the measurements of each Group are all cleared. Please extend/retract the lumisphere on the modeling lamp power control screen.

NOTE

- To set ISO sensitivity and shutter speed, press the [Radio Triggering Flash Mode] Icon () to return to the Measuring Screen.
- The last selected Group in either Flash Power Control Screen, Modeling Lamp Power Control Screen or Radio CH/Group Setting Screen in Tool Box is activated in Measuring screen.
- To return to the Flash Power Control Screen again, touch the [Flash Power Control] Icon ().
- The measurement in the Modeling Lamp Power Control Screen is made in Ambient mode. It may not be possible to adjust the power of the modeling lamp depending on the flash unit or Godox receiver used.

2-4-2 Radio Triggering Multiple (Cumulative) Flash Mode

This Measuring Mode is used when the light generated by the flash at one time is inadequate for the desired F-stop setting. Repeated flash pops can be accumulated until the desired F-stop value is displayed. The measured value (F-stop) is displayed for each trigger of the flash. The cumulative count is infinite. Up to 99 times is displayed in the Status/Title field, however, the cumulative count returns to 0 (zero) for more than 100 times (0=100, 1=101, 2=102, etc.).
In the Flash Power Control Screen and Modeling Lamp Power Control Screen, the Multiple (cumulative) flash measurement is not available (only single measurement is made).

Operation

1) How to use Flash Triggering

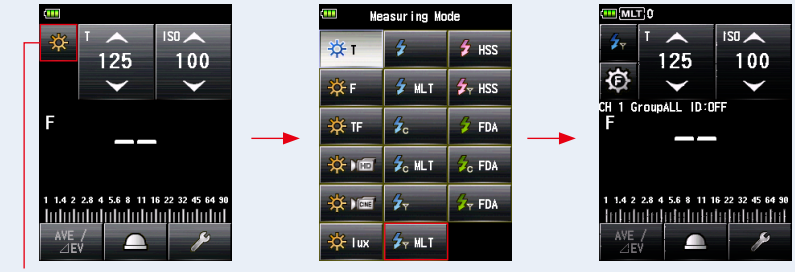
1. Touch the [Measuring Mode] Icon on the Measuring Screen.

The Measuring Mode Screen is displayed.

2. Touch the [Radio Triggering Multi Flash Mode] Icon (MLT) in Measuring Mode Screen.

When it is selected, the display changes to the Measuring Screen.

[Measuring Screen] [Measuring Mode Screen] [Measuring Screen]



[Measuring Mode] Icon

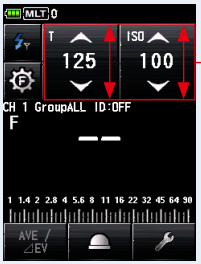
3. Set the light receiving method.

Switch to the incident light, extended lumisphere ( )/retracted lumisphere ( ), or reflected light.

4. Set the ISO sensitivity value on the [ISO] Icon.

5. Set the shutter speed on the [T] Icon.

[Measuring Screen]



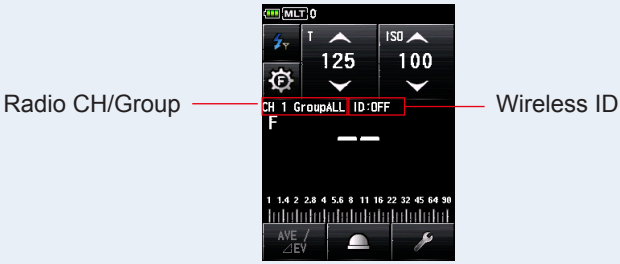
Setting Value

NOTICE

Make sure that the settings are within the specifications of the camera and flash system.

6. Make sure that the set CH (channel), Group and Wireless ID are the same between the light meter and the receivers in use. (➡P4, P8, P11)

[Measuring Screen]



7. Press the Measuring Button 6.

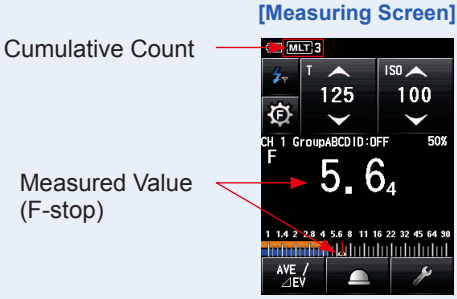
The measured value (F-stop) will be displayed. Press the Measuring Button 6 again to fire a flash and measure until the desired F-stop is displayed.

The accumulated measured value (F-stop) and the cumulative count will be displayed.

If you want to adjust the output power of each flash separately, go to Flash Power Control Screen to make a measurement and adjustment.

In the Flash Power Control Screen, the Multi (cumulative) flash measurement is not available. (➡ P16)

[Measuring Screen]



NOTICE

- In case of the following, please follow “Cord Multi (Cumu.) Flash Mode” (MLT).
  - When firing the flash, if the flash brightness is lower than the ambient light, the meter may fail to detect the light.
  - Rapid start fluorescent lamps and special lighting are sometimes mistaken for flash and accidentally measured.
  - Even if the flash does not fire, when a sudden light change occurs in the light receptor, measurement may be made.
  - The waveform of a flash bulb has a slight slope and there is a possibility that the light meter cannot recognize the flash bulb.
- The EV scale cannot be displayed in the Radio Triggering Multi (Cumu.) Flash mode.

NOTE

- For red-eye prevention and auto-flash light adjustment, some devices can pre-flash before main flash burst. With the normal setting, the light meter will measure the pre-flash bursts and not the main flash burst. To take a successful reading, activate the pre-flash feature in the Tool Box. Please refer to the L-858D Operating Manual.
- For radio CH frequencies, refer to "5. Radio Channel Frequencies". (➡ P48)

2) Multi Clear

1. Touch the [Tool Box] Icon ( ) on the Measuring Screen.

The Tool Box Screen is displayed.

2. Touch the [Next Page] Icon ( ) of the Tool Box to display the Tool Box showing [Multi Clear].

This button is only enabled during measurement.

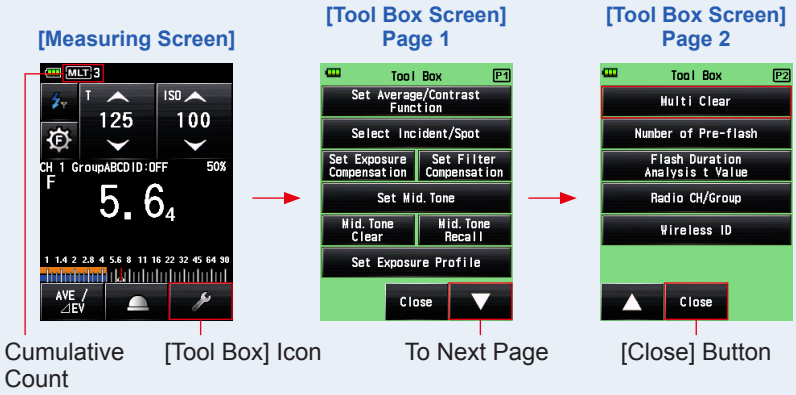
If the button is grayed out, the cumulative measurement is not made and the count cannot be cleared.

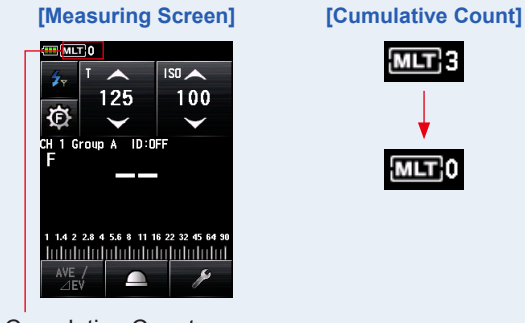
3. Touch the [Multi Clear] Button of the Tool Box.

The cumulate value is cleared, and the display returns to the Measuring Screen.

If you do not clear the value, touch the [Close] Button.

The display returns to the Measuring Screen.





2-4-3 HSS (High Speed Synchro) Flash Radio Triggering Mode

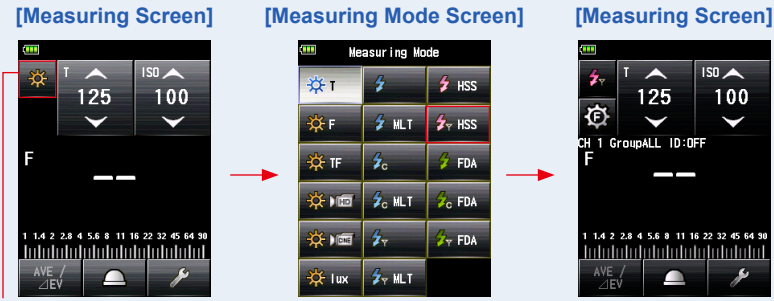
Select this mode to measure the brightness of a flash activated in HSS (High Speed Synchro) mode.
Detects flash brightness after Measuring Button is pressed to send radio transmitted signal to radio receiver connected to flash. Displays F-Stop value.
Depending on the radio system in use, the meter controls the output power of flash unit.

Operation

1) How to use Flash Triggering

1. Touch the [Measuring Mode] Icon on the Measuring Screen.
The Measuring Mode Screen is displayed.

2. Touch the [HSS (High Speed Synchro) Flash Radio Triggering Mode] Icon (HSS) in Measuring Mode Screen.
When it is selected, the display changes to the Measuring Screen.



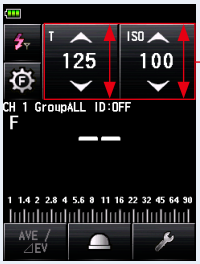
[Measuring Mode] Icon

3. Set the light receiving method.
Switch to the incident light, extended lumisphere ( )/retracted lumisphere ( ), or reflected light.

4. Set the ISO sensitivity value on the [ISO] Icon.

5. Set the shutter speed on the [T] Icon.

[Measuring Screen]



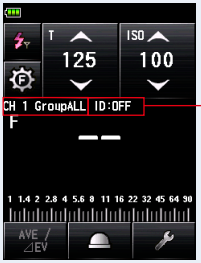
Setting Value

NOTICE

Make sure that the settings are within the specifications of the camera and flash system.

6. Make sure that the set CH (channel), Group and Wireless ID are the same between the light meter and the receivers in use. (➡P4, P8, P11)

[Measuring Screen]



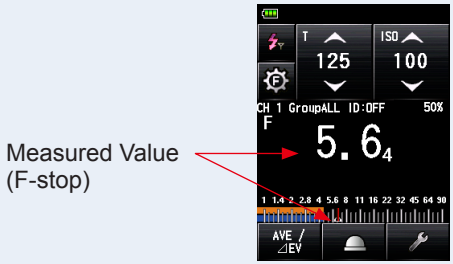
Radio CH/Group

Wireless ID

7. Press the Measuring Button 6.

The flash will fire and the measured value (F-stop) will be displayed.

[Measuring Screen]



NOTICE

- In the following cases, measurement may not be possible.
  - When firing the flash, if the flash brightness is lower than the ambient light, the meter may fail to detect the light.
  - Rapid start fluorescent lamps and special lighting are sometimes mistaken for flash and accidentally measured.
  - Even if the flash does not fire, when a sudden light change occurs in the light receptor, measurement may be made.
  - The waveform of a flash bulb has a slight slope and there is a possibility that the light meter cannot recognize the flash bulb.

NOTE

- For red-eye prevention and auto-flash light adjustment, some devices can pre-flash before main flash burst. With the normal setting, the light meter will measure the pre-flash bursts and not the main flash burst. To take a successful reading, activate the pre-flash feature in the Tool Box. Please refer to the L-858D Operating Manual.
- For radio CH frequencies, refer to "5. Radio Channel Frequencies". (➡ P48)

2) How to use Flash Power Control

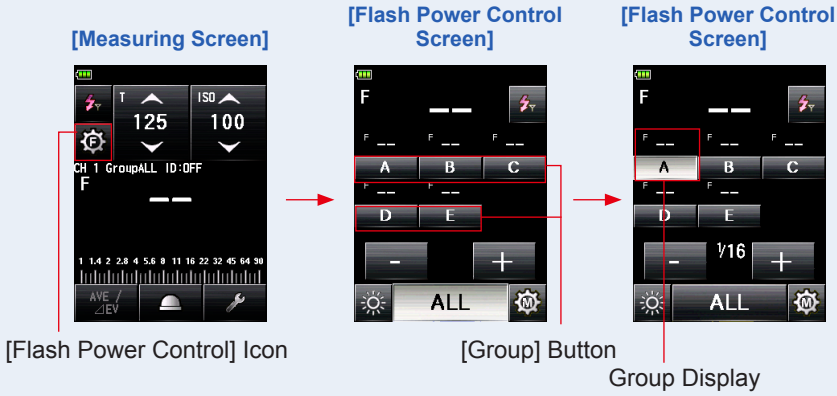
1. Touch the [Flash Power Control] Icon ( ) on the Measuring Screen.

The Flash Power Control Screen is displayed.

Take measurements by placing the meter at the subject's position with the light receptor (retracted lumisphere) facing toward the light sources of main light and fill light directly. Adjust the measured values for the desired lighting ratio. (➡Figure 1. of Piv)

2. Select a [Group] Button (default setting: A to E) on the Flash Power Control Screen.

Only flash unit with the receiver set to the selected Group will fire.



NOTE

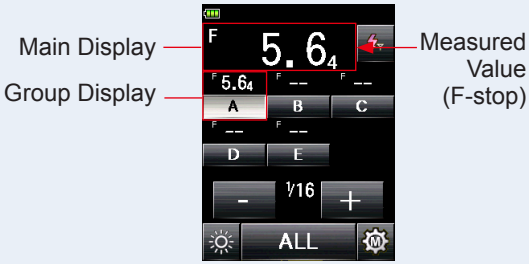
To select the group which is not displayed, go to Select Group Screen and select (A to F, 0 to 9). (➡ P8)

3. Press the Measuring Button 6.

The flash of the selected Group will fire, and the measured value (F-stop) will be displayed.

The measured value is displayed in the main display and the Group display over the selected Group in the Flash Power Control Screen.

[Flash Power Control Screen]

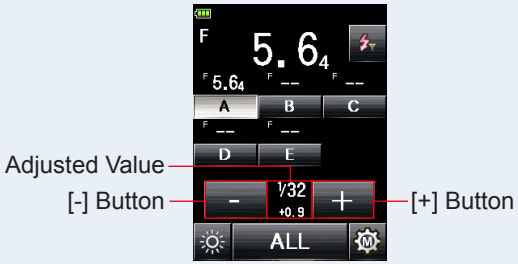


4. Touch [+] + or [-] - Button.

Touching the [+] or [-] Button will increase or decrease the power of the flash in 0.1 step for the selected Group. When holding the button longer (1 second), the power will be adjusted in 1 (full) step.

The adjusted value will be displayed in the Adjusted Value area.

[Flash Power Control Screen]



NOTICE

- Default output power is 1/16 for the first flash triggered by light meter, irrespective of the setting of flash.
- Although 1/1 to 1/256 can be set, the adjustment must be within the upper and lower limit of the power level specification of the flash unit.

5. Press the Measuring Button 6 again.

Check that the output power of the flash is the desired value.

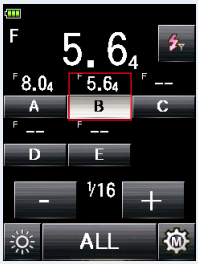
6. Repeat Steps 2 to 5.

Repeat the procedure for other Groups until each flash unit's brightness is set to proper value for the effect you want.

[Flash Power Control Screen]

[Flash Power Control Screen]

[Flash Power Control Screen]



7. Touch [ALL] Button, then press the Measuring Button 6.

Point the meter (lumisphere) at the camera from the position of subject to make a measurement.

All flash units of the selected Group will fire, and the total exposure (F-stop) will be displayed in the main display. (➡Figure 2. of Piv)

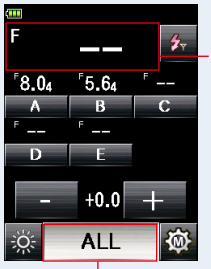
[Flash Power Control Screen]

Main Display (Measurement with Retracted Lumisphere)

[ALL] Button

Switch from Retracted Lumisphere to Extended One

[Flash Power Control Screen]

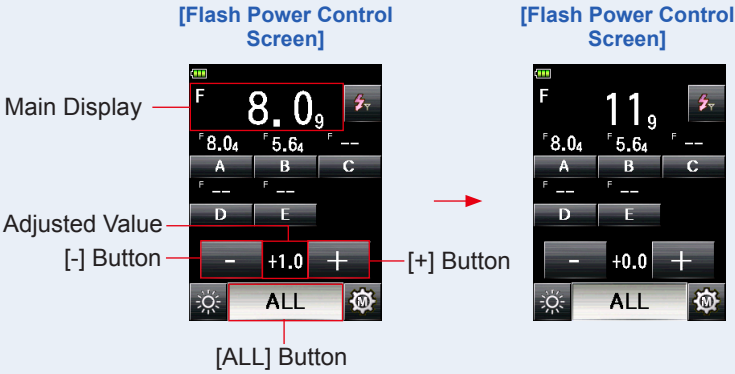


Main Display (Measurement with Extended Lumisphere)

[ALL] Button

8. With [ALL] Button selected, touch [+] + or [-] - Button Press the Measuring Button ❻ again.

You can adjust the total power level while the lighting ratio of each Group is being fixed.



NOTICE

- Use the measurement with retracted lumisphere to see the lighting ratio of each Group, and use the extended lumisphere for final exposure.
- The measurements between extended lumisphere and retracted lumisphere are different due to light distribution characteristic. When the lumisphere is switched between extended and retracted status, the measurement on the main display is cleared. However, on the flash power control screen, the measurements of each Group remain.
- When the lumisphere is switched between extended and retracted status on any screen except the flash power control screen, the measurements of each Group are all cleared. Please extend/retract the lumisphere on the flash power control screen.

NOTE

- To set ISO sensitivity and shutter speed, press the [HSS (High Speed Synchro) Flash Radio Triggering Mode] Icon ( ) to return to the Measuring Screen.
- The last selected Group in either Flash Power Control Screen or Radio CH/Group Setting Screen in Tool Box is activated in Measuring Screen.

Difference in step of output value from the default setting value of 1/16

Output value	Difference in Step	Output value	Difference in Step
1/128	-3.0	1/8	+1.0
1/64	-2.0	1/4	+2.0
1/32	-1.0	1/2	+3.0
1/16	**±0.0**	1/1	+4.0

2-4-4 Flash Duration Analysis Radio Triggering Mode

The meter detects flash brightness after Measuring Button is pressed to send radio transmitted signal to radio receiver connected to flash. F-stop, flash duration time and graph of flash waveform are displayed for input ISO sensitivity and shutter speed. Depending on the receivers in use, the meter controls the output power of flash units and modeling lamp with turning ON/OFF, however, flash duration time and graph of flash waveform are not measured in Modeling Lamp Power Control Screen because it is ambient light not flash light.
Flash Duration Analysis is performed with Incident Light Measuring Mode.

Operation

1) How to use Flash Triggering

1. Touch the [Measuring Mode] Icon on the Measuring Screen.

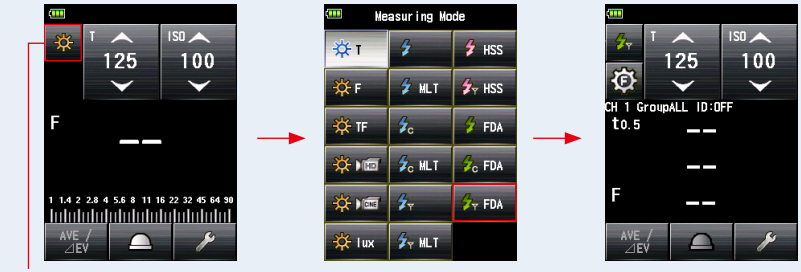
The Measuring Mode Screen is displayed.

2. Touch the [Flash Duration Analysis Radio Triggering Mode] Icon (FDA) in Measuring Mode Screen.

When it is selected, the display changes to the Measuring Screen.

The Flash Duration Analysis Radio Triggering Mode can be selected only when the incident light is set in the meter.

[Measuring Screen] [Measuring Mode Screen] [Measuring Screen]



[Measuring Mode] Icon

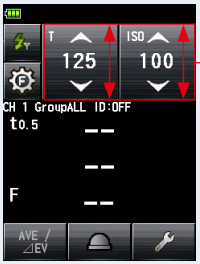
3. Set the light receiving method.

Switch to the extended lumisphere ( ) or retracted lumisphere ( ).

4. **Set the ISO sensitivity value on the [ISO] Icon.**

5. **Set the shutter speed on the [T] Icon.**

[Measuring Screen]



Setting Value

NOTICE

Make sure that the settings are within the specifications of the camera and flash system.

6. **Set the Flash Duration Analysis t value. (➡ P43)**

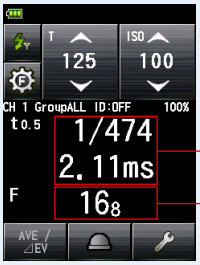
7. **Make sure that the set CH (channel), Group and Wireless ID are the same between the light meter and the receivers in use. (➡P4, P8, P11)**

[Measuring Screen]

8. Press the Measuring Button 6.

The flash will fire, and the flash duration time and the measured value (F-stop) for input ISO sensitivity and shutter speed will be displayed.

[Measuring Screen]



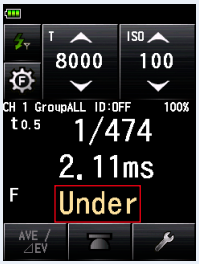
Flash Duration Time

Measured Value (F-stop)

NOTICE

- The flash duration time and graph are displayed in the Flash Duration Analysis Radio Triggering Mode, however, they cannot be stored in the memory. They are cleared if the Measuring Mode is changed or the POWER switch is turned OFF.
- The incident light measurement can only be used in Flash Duration Analysis Radio Triggering mode.
- In case of the followings, please follow “Flash Duration Analysis Cord Mode”(FDA).
  - When firing the flash, if the flash brightness is lower than the ambient light, the meter may fail to detect the light.
  - Rapid start fluorescent lamps and special lighting are sometimes mistaken for flash and accidentally measured.
  - Even if the flash does not fire, when a sudden light change occurs in the light receptor, measurement may be made.
  - The waveform of a flash bulb has a slight slope and there is a possibility that the light meter cannot recognize the flash bulb.
- If the measured flash duration time is longer than the input shutter speed, an appropriate F-stop cannot be measured. The yellow “Under” indication appears. In this case, slower the shutter speed than the flash duration time and measure again.

[Measuring Screen]



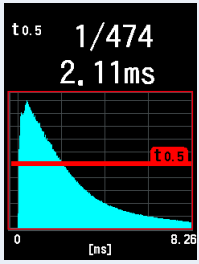
NOTE

- For red-eye prevention and auto-flash light adjustment, some devices can pre-flash before main flash burst. With the normal setting, the light meter will measure the pre-flash bursts and not the main flash burst. To take a successful reading, activate the pre-flash feature in the Tool Box. Please refer to the L-858D Operating Manual.
- When the measured value display area is touched, both flash waveform graph and measured value are displayed. When it is touched again, the display returns to the previous screen.

[Measuring Screen]

Touching the Measured value area changes the display.

[Flash Duration Analysis Mode
Flash Waveform Graph Screen]



* The graph screen cannot be used to make measurements.

- Measure the flash light characteristics in a darkroom without ambient light.
- For radio CH frequencies, refer to “5. Radio Channel Frequencies”. (➡ P48)

2) How to use Flash Power Control

1. Set the Flash Duration Analysis t value. (➡ P43)

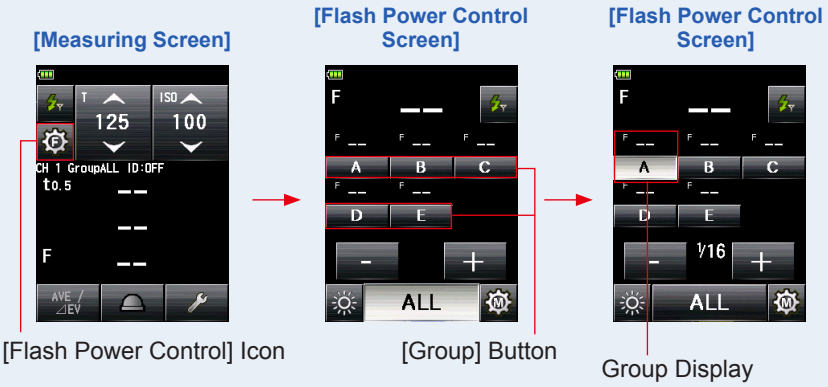
2. Make sure that the CH (channel), Group and Wireless ID are the same between the light meter and the receivers in use. (➡ P4, P8, P11)

3. Touch the [Flash Power Control] Icon ( ) on the Measuring Screen.

The Flash Power Control Screen is displayed.

4. Select a [Group] Button (default setting: A to E) on the Flash Power Control Screen.

Only flash unit with the receiver set to the selected Group will fire.



NOTE

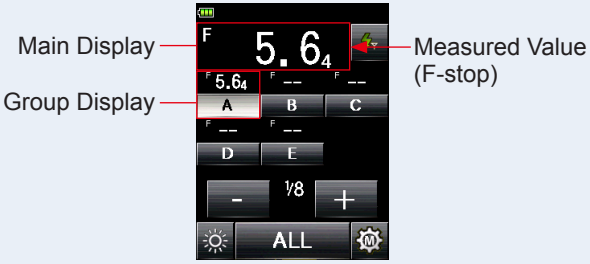
To select the group which is not displayed, go to Select Group Screen and select (A to F, 0 to 9). (➡ P8)

5. Press the Measuring Button 6.

The flash of the selected Group will fire, and the measured value (F-stop) will be displayed.

The measured value (F-stop) is displayed in the main display and the Group display over the selected Group in the Flash Power Control Screen.

[Flash Power Control Screen]

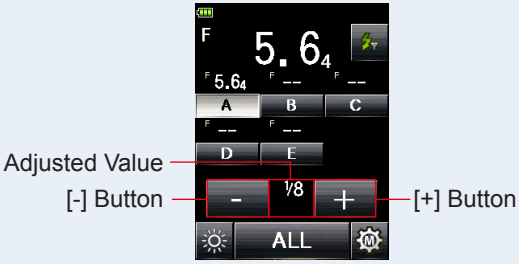


6. Touch [+] + or [-] - Button.

Touching the [+] or [-] Button will increase or decrease the power of the flash in 0.1 step for the selected Group. When holding the button longer (1 second), the power will be adjusted in 1 (full) step.

The adjusted value will be displayed in the Adjusted Value area.

[Flash Power Control Screen]



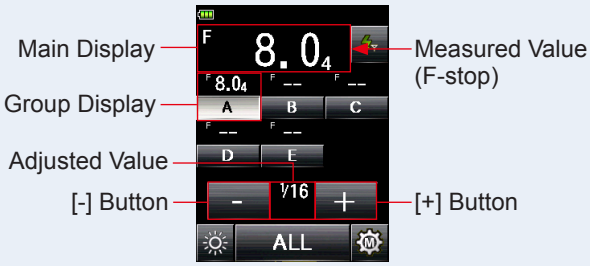
NOTICE

- Default output power is 1/16 for the first flash triggered by light meter, irrespective of the setting of flash.
- Although 1/1 to 1/256 can be set, the adjustment must be within the upper and lower limit of the power level specification of the flash unit.

7. Press the Measuring Button ❻ again.

Check that the output power of the flash is the desired value.

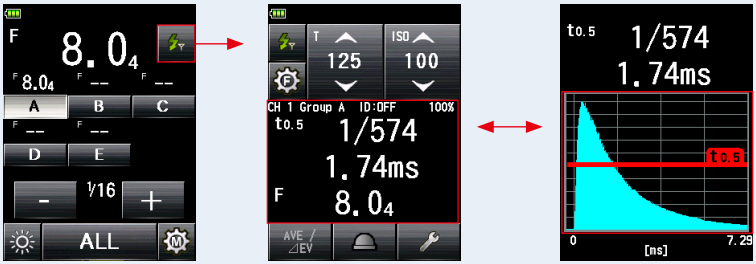
[Flash Power Control Screen]



8. Press the [Flash Duration Analysis Radio Triggering Mode] Icon ( ).

The display returns to the Measuring Screen, and the flash duration time and the measured value (F-stop) for input ISO sensitivity and shutter speed will be displayed.

[Flash Power Control Screen (After Measurement)] **[Measuring Screen]** **[Flash Duration Analysis Mode Flash Waveform Graph Screen]**



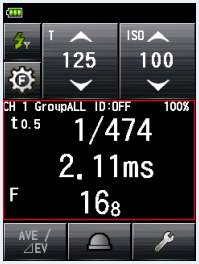
NOTICE

- The measurements between extended lumisphere and retracted lumisphere are different due to light distribution characteristic. When the lumisphere is switched between extended and retracted status, the measurement on the main display is cleared. However, on the flash power control screen, the measurements of each Group remain.
- When the lumisphere is switched between extended and retracted status on any screen except the flash power control screen, the measurements of each Group are all cleared. Please extend/retract the lumisphere on the flash power control screen.

NOTE

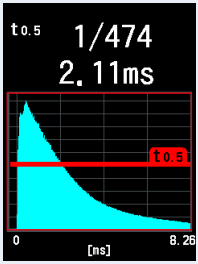
- When the measured value display area is touched, both flash waveform graph and measured value are displayed. When it is touched again, the display returns to the previous screen.

[Measuring Screen]



Touching the Measured value area changes the display.

[Flash Duration Analysis Mode Flash Waveform Graph Screen]



* The graph screen cannot be used to make measurements.

- Measure the flash light characteristics in a darkroom without ambient light.
- To set ISO sensitivity and shutter speed, press the [Flash Duration Analysis Radio Triggering Mode] Icon ( ) to return to the Measuring Screen.
- The last selected Group in either Flash Power Control Screen or Radio CH/Group Setting Screen is activated in Measuring Screen.
- For radio CH frequencies, refer to “5. Radio Channel Frequencies”. (➡ P48)

3) Flash Duration Analysis t Value

The t value can be set in steps of 0.1 at a range of 0.1 to 0.9.
The flash duration time varies depending on the input t value.

1. Touch the [Tool Box] Icon ( ) on the Measuring Screen.

The Tool Box Screen is displayed.

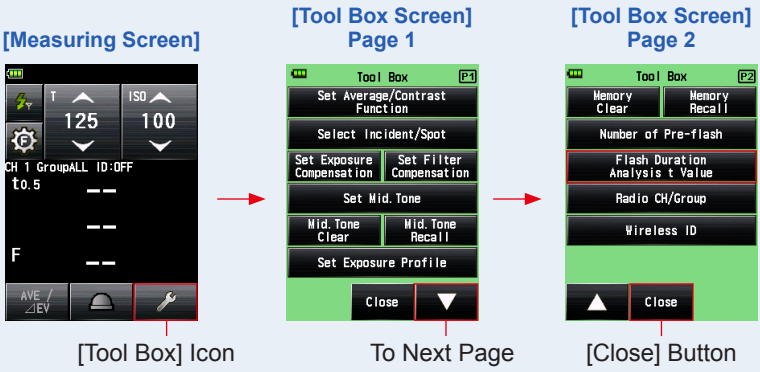
2. Touch the [Next Page] Icon ( ) of the Tool Box to display the Tool Box showing the [Flash Duration Analysis t Value] Button.

This button is enabled if Flash Duration Analysis Mode is selected. If it is grayed out, check the Measuring Mode.

3. Touch the [Flash Duration Analysis t Value] Button of the Tool Box.

The Flash Duration Analysis t Value Screen is displayed.

If you do not change this number, touch the [Close] Button.



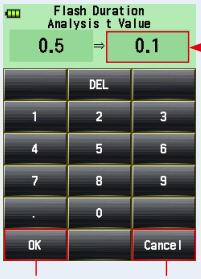
4. Enter the "Reference" of 0.1 to 0.9 by touching the numeric value.

The t value can be set in steps of 0.1 at a range of 0.1 to 0.9.

The first "0." is fixed. Enter the first digit decimal only. (To set "0.1", enter "1".)

[Flash Duration Analysis t Value Screen]

[Flash Duration Analysis t Value Screen]



The input numeric value is displayed.

[OK] Button [Cancel] Button

5. Touch [OK] Button.

The setting is entered, and the display returns to the Measuring Screen.

Touch the [Cancel] Button to return to the Measuring Screen without making the modification.

[Measuring Screen]

NOTE

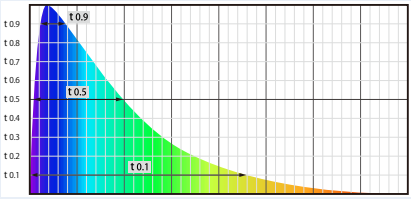
Two rules apply to the reference flash duration time.

t0.5 = Effective flash duration time

t0.1 = Total flash duration time

After flash firing, the time at which the maximum intensity drops by half is called "t0.5". The time at which the maximum intensity drops to 1/10 is called "t0.1".

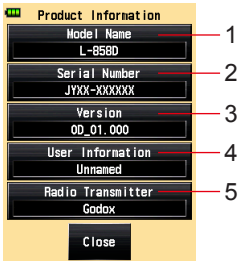
Generally, "t0.5" is called the flash duration time.



3. Product Information

This screen displays the detailed information not displayed in the Measuring Screen.

[Product Information Screen]



* The screen contents above differ depending on models.

No.	Item	Description
1	**Model Name**	Displays the model number of the meter.
2	**Serial Number**	Displays the serial number of the meter.
3	**Version**	Displays the firmware version.
4	**User Information**	Displays user-input information such as ownership or meter function, etc which is set in the Hardware Setting.
5	**Radio Transmitter**	Displays the type of radio system.

Operation

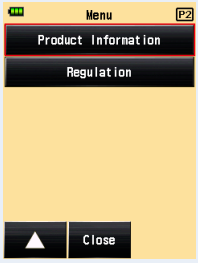
1. Touch the Menu Button ⑨ on the meter.

The Menu Screen is displayed.

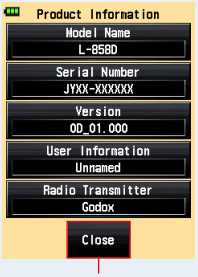
2. Touch the [Next Page] Icon (▼) to display page 2 of the Menu Screen, and touch the [Product Information] Button.

The Product Information Screen is displayed.

[Menu Screen] Page 2

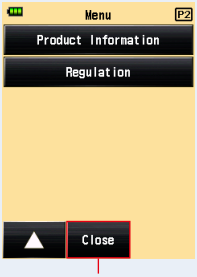


[Product Information Screen]



[Close] Button

[Menu Screen] Page 2



[Close] Button

3. **Touch the [Close] Button.**

The display return to the Menu Screen.

4. **Touch the [Close] Button.**

The display returns to the Measuring Screen.

4. Regulation

The Regulation screen displays the symbols, approved number, regulation names, etc. which the meter is compliance with.

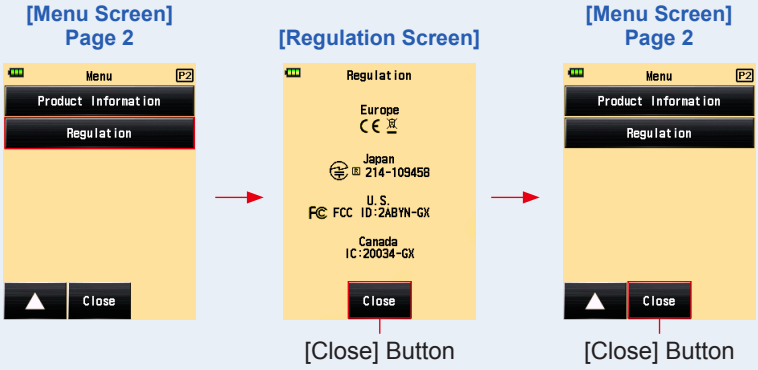
Operation

1. Touch the Menu Button ⑨ on the meter.

The Menu Screen is displayed.

2. Touch the [Next Page] Icon (▼) to display page 2 of the Menu Screen, and touch the [Regulation] Button.

The Regulation Screen is displayed.



* The contents on the Regulation Screen vary depending on the destination or whether a transmitter (sold separately) is installed.

3. Touch the [Close] Button.

The display return to the Menu Screen.

4. Touch the [Close] Button.

The display returns to the Measuring Screen.

5. Radio Channel Frequencies

Radio CH frequencies (CH 1 to 32)

Channel	Freq. (MHz)	Channel	Freq. (MHz)
1	2413.0	17	2439.5
2	2414.5	18	2441.7
3	2416.0	19	2443.0
4	2418.0	20	2444.5
5	2419.5	21	2446.7
6	2421.0	22	2448.0
7	2423.0	23	2449.5
8	2424.5	24	2451.7
9	2426.7	25	2453.0
10	2428.0	26	2454.5
11	2429.5	27	2456.7
12	2431.7	28	2458.0
13	2433.0	29	2459.5
14	2434.5	30	2461.7
15	2436.2	31	2463.0
16	2438.0	32	2464.5

NOTICE

The working distance of the radio triggering system can vary with the orientation and location of the meter and receivers.

6. Specifications

Radio Channel Setting Range

- 1 to 32

Radio Group Setting Range

- A to F, 0 to 9, ALL

Wireless ID Setting Range

- OFF, 0 to 99

Radio Triggering Range

- 30 meter (100 feet)

Operating Ambient Temperature

- -10°C to 50°C (no condensation)

Operating Ambient Humidity

- 85% RH or less (at 35°C) (no condensation)

Transportation and Storage Conditions

- Ambient temperature -20°C to 60°C (no condensation)
- Ambient humidity 85% RH or less (at 35°C)

Dimensions

- Approx. 34 (W) mm × 28 (H) mm × 12 (D) mm

Weight

- Approx. 9g

Standard Accessories

- Startup Guide, Safety Precaution

NOTICE

The working distance of the radio triggering system can vary with the orientation and location of the meter and receivers.

For improvement reasons the specifications and external appearance in this manual may be subject to future changes without prior notification.

7. Legal Requirements

This product complies with the following legal requirements.

Destination	Standard		Details
Europe	CE	Wireless	EN 300 440 EN 50663
North America	FCC (US)	Wireless	FCC Part15 SubpartC
	IC (Canada)	Wireless	RSS-210
Japan	Radio Act		Certification of construction type prescribed in Article 38-24, paragraph (1) of the Radio Act

FCC & IC compliance information:

Compliance statement to FCC and Industry Canada

FCC ID: 2ABYN-GX

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. The user is cautioned that unauthorized changes or modifications not approved could void the user's authority to operate the equipment.

IC: 20034-GX

Operation is subject to the following two conditions:
(1) this device may not cause interference, and
(2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible d'en compromettre le fonctionnement.

8. Troubleshooting

If your meter is not operating properly, as you expect, please consult the following conditions and attempt the suggested solutions before contacting Sekonic. Non-operation can be due to incorrect, mis-setting of the meter or battery condition. Should your meter be malfunctioning, please contact place where meter was purchased or Sekonic for service and repair.

Condition	Possible reasons	What to do
Flash cannot be triggered in Radio Triggering Flash Mode.	Is the radio receiver in the flash compatible with the meter's transmitter? Isn't any other non-compatible brand or manufacturer used?	Make sure that the transmitter installed to the meter and the receiver currently used are using the same radio system. ● Godox website URL: http://www.godox.com/EN/index.html
	Are the meter transmitter and receiver set for the same channel number?	Set the same channel number and group on the transmitter and receiver.
	Are the transmitter and receiver set to the same Wireless ID?	Make sure that the transmitter and receiver are set to the same Wireless ID when you use it. If your receiver (flash) doesn't have Wireless ID setting, please make sure to select OFF.
"Radio transmitter installed cannot be used in this meter." is displayed.	Is the meter updated to the latest firmware?	Update the meter to the latest firmware by connecting with Data Transfer Software which is downloadable from our website below. URL: https://www.sekonic.com/support/downloads/dtssoftwareformacandwindows.aspx

9. After-sales Services

- Contact your local distributor or camera store that you purchased from for warranty and service.
- Even within the warranty period, repair services may be provided on a paid basis. Check the conditions of warranty provided by local distributor or retailer.
- The warranty is not valid unless the copy of proof of purchase with the date of purchase and the retailer name. Be sure to store such information (bill of purchase or receipt) in a safe location.
- We will retain performance parts for repairs for approximately seven years after production is discontinued. Therefore, we may not be able to carry out repairs after this period has elapsed.
- When requesting repairs, please provide us with as much detail as possible about the failure or specific failure locations that you are able to identify. In certain cases, some products that are returned to us for repairs are not malfunctioning, and begin to operate normally again when we simply replace the batteries. Before requesting repairs, please confirm that the batteries are installed in the correct polarities, contain sufficient charge, and that they match the rating.

SEKONIC CORPORATION

7-24-14, Oizumi-Gakuen-cho, Nerima-ku Tokyo
178-8686 JAPAN

Tel +81-3-3978-2335 Fax +81-3-3978-5229

https://www.sekonic.com

JX8N97630

September 2020