# SEKONIC L-858D, L-858D-U Speedmaster User Guide

**SEKONIC L-858D, L-858D-U Speed master User Guide**

Thank you for purchasing SPEEDMASTER L-858D. 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. This Startup Guide introduces the basic operations of this light meter. For details about how to use this light meter, please see the Operating Manual. For information on how to download the Operating Manual, please see "10. Download"

**Contents**

## Check Included Items

**The following items are included with the meter in the package. 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 meter from.
- The USB cable (that has the A connector and Micro-B connector) is not included in the package. Please obtain this separately.
- Batteries (two AA, Alkaline and manganese batteries are recommended) are not included in the package. Please obtain these separately
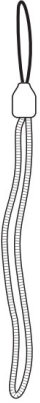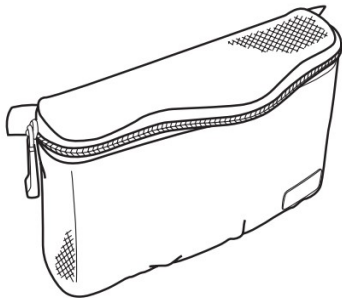
**Meter**



**Startup Guide (this document)**

**Strap**

**Lens Cap**
*(Installed on the meter)*

**Soft Case**

**Anti-glare Sheet for LCD Screen**

## Safety Precaution

## Names of Parts

**The following is a list of names of buttons and parts on the meter.**

[Front view]     [Rear view]

1. Lumisphere retracting ring
2. Lumisphere
3. Objective lens
4. Viewfinder eyepiece (with diopter adjustment)
5. Power button
6. Measuring button*
7. Memory button*
8. Touch panel LCD
9. Menu button <<MENU>>
10. USB connector
11. USB connector cover
12. Synchro terminal
13. Synchro terminal cover
14. Battery cover
15. Battery cover latch
16. Strap eyelet
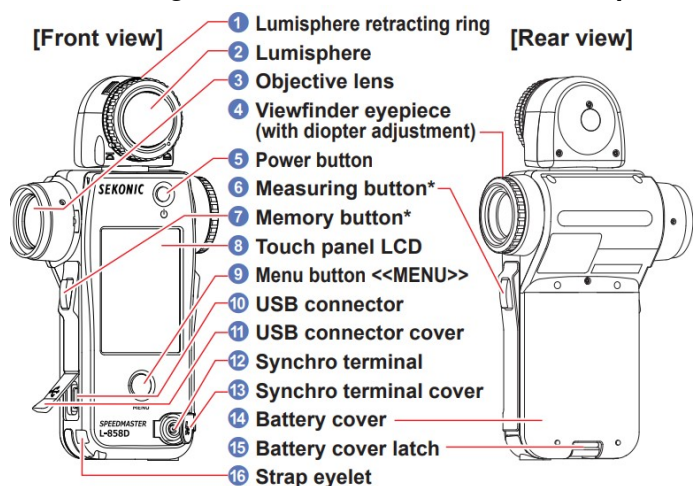
[Bottom (rear) view, battery cover]  [Lumisphere (Switchover between Extended/Retracted)]

**Tabs (Three)**
⑰ **Tripod socket hole**
**Extended mark**
**Retracted mark**
⑱ **Transmitter (sold separately) compartment**
⑳ **Battery compartment**
⑲ **Transmitter connector cover**
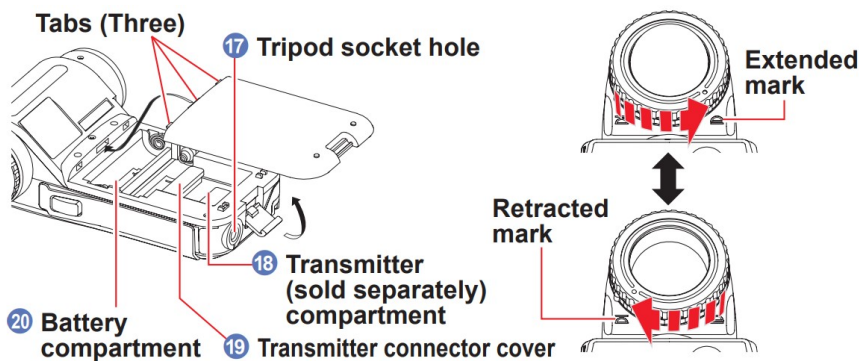
* The function of the Measuring button ⑥ and Memory button ⑦ can be interchanged using the Custom Setting function.

## Turn the Power ON/OFF

*After installing batteries, press the power button **5** to start up the meter.*
*The Startup screen appears on the LCD for 1 second. Then the settings for the Measuring button **(MEASURE)** and Memory button **(MEMORY)** are displayed on the Measuring screen for 2 seconds. To turn the power off, press and hold down the Power button for at least 1 second. The meter power turns off after the display disappears. Please wait 3 seconds between repeated power on and power off sessions.*



Power button ⑤

**[Startup screen]**

SEKONIC

SPEEDMASTER
L-858D

**[Measuring screen]**

Memory button ⑦
Measuring button ⑥
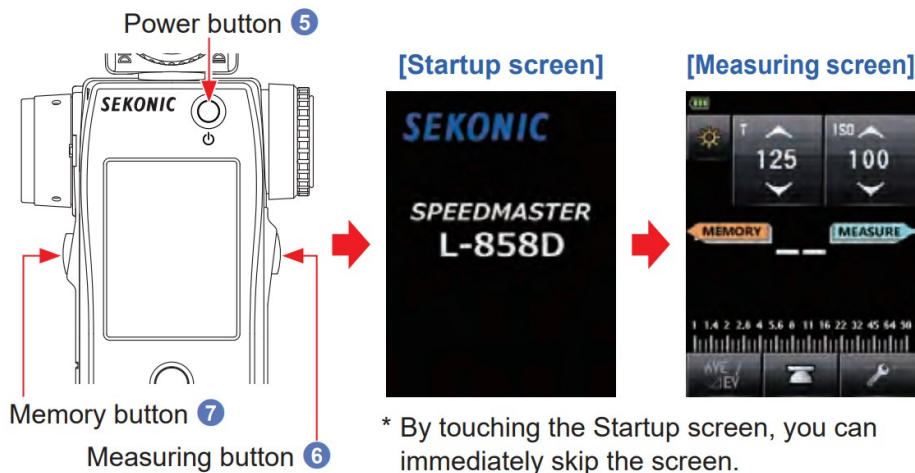
* By touching the Startup screen, you can immediately skip the screen.

- The blue lettered **"SEKONIC"** logo screen is displayed after battery replacement and 24 hours after power **OFF.**

- Movement of the blue status bar indicates that the meter is checking its memory and preparing to operate. Do not turn the power **OFF.** Otherwise, the meter may be damaged.

## Screen Operations

**This section explains how to operate the touch panel on the meter.**
Touch an icon with your finger to select a desired menu or item.

**[Measuring screen]**



## Slide operations

Slide a finger up or down on the setting value areas at any time to change setting values.

## Touch operations

Touch each icon to change the display to a desired screen.
Setting value increases when [⌃] is touched.
Setting value decreases when [⌄] is touched.

**Scroll bars**
Slide the vertical or horizontal scroll bars to view a different part of the screen.

**Scroll bars**
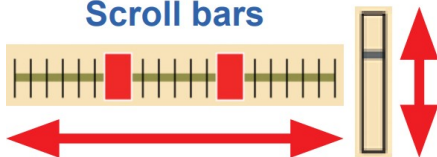


**Radio button operations**
Radio buttons are displayed when you can only select one item. Touch a desired item to select.
**Check box operations**
Check boxes are displayed when multiple selections are available. Touch a desired item(s) to select.



Item selected       Items not selected

[Screen For Selecting **LCD** Backlight Brightness]

Items selected

Flash Mode screen]
Ambient Mode screen
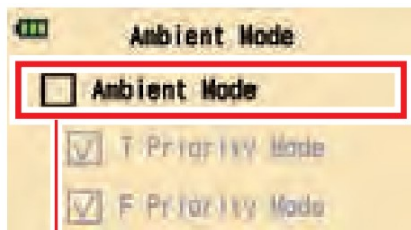


Item not selected

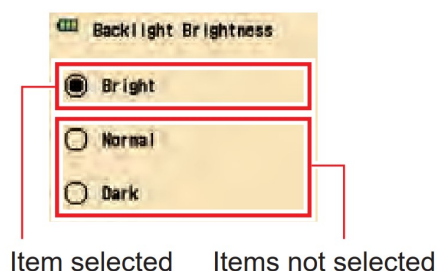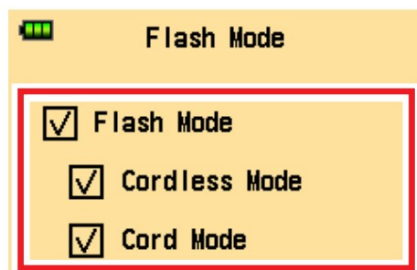## Input Numbers or Characters

How to input a numerical value (Numeric Number Input screen)

| No. | Key | Description |
|---|---|---|
| 1 | 0-9, Decimal point, Sign (+/-) | Inputs a numeric value. When touched, the input value is displayed at the top of screen. |
| 2 | DEL | Deletes the input value. |
| 3 | OK | Applies the input value, and returns to the previous screen. |
| 4 | Cancel | Cancels the input value, and returns to the previous screen. |
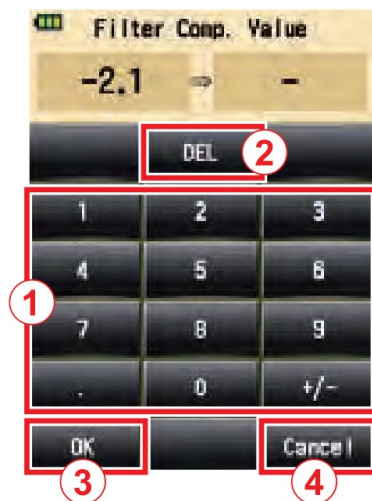
[Numeric Value Input screen]
How to input characters and numbers (Character Input screen)

| No. | Key | Description |
|---|---|---|
| 1 | ▮ | The cursor indicates the position at which to enter a character. |
| 2 | ABC, abc, 0-9, Decimal point, Space, Hyphen | When touched, the input value is displayed at the top of screen. Repeated touching of the same button for alphabet (ABC/abc) will change the alphabet character in order |
| 3 | 1/A/a | Switches between numbers, upper-case characters, and lower-case characters. |
| 4 | ← → | Moves the input position. |
| 5 | DEL | Deletes the input value. |
| 6 | OK | Applies the input value, and returns to the previous screen. |
| 7 | Cancel | Cancels the input value, and returns to the previous screen. |

[Upper Case Input screen]



[Lower Case Input screen]

## Measuring Preparations

*The mode and other settings required to make a measurement can be selected from the Measuring screen. For information on how to switch the display to each screen, see the relevant item.*

[Measuring Mode Selection screen]    [Meter] (Measuring screen)    Settings

[Select Incident/Spot screen]    [Tool Box screen]

[Menu screen]

## Select Measuring Mode

*Different measuring modes can be selected to meet various requirements.*

- In the custom setting, you can select whether to display or hide the measuring modes. Content to be displayed differs depending on which transmitter (sold separately) is installed.



[Measuring Mode Selection screen]
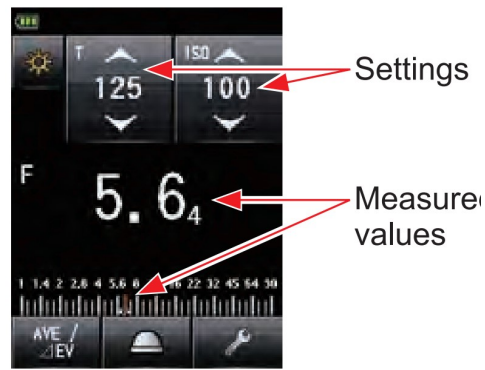
1. [Ambient Light T Priority Mode Measuring screen]

**<Ambient Mode>**

| No. | Description of mode |
|---|---|
| 1 | **Ambient light T (shutter speed) priority mode**<br>Displays F-stop value (aperture) for input shutter speed and ISO values. |
| 2 | **Ambient light F-stop (aperture) priority mode**<br>Displays shutter speed value for input F-stop and ISO values. |
| 3 | **Ambient light TF (shutter speed and F-stop) priority mode**<br>Displays ISO sensitivity for input shutter speed and F-stop values. |
| 4 | **Ambient light HD CINE mode**<br>Displays F-stop value for input shutter speed, frame rate and ISO values. |
| 5 | **Ambient light CINE mode**<br>Displays F-stop value for input frame rate, ISO and shutter angle values. |
| 6 | **Ambient light Illuminance (lux or fc) mode (Incident light measurement)**<br>Displays brightness value in lux or foot-candle unit.<br><br>**Ambient light Luminance (cd/m$^2$ or fl) mode (Reflected light measurement)**<br>Displays brightness value in cd/m$^2$ or foot-lambert unit. |



2. [Ambient Light F-stop Priority Mode Measuring screen]

3. [Ambient Light TF Priority Mode Measuring screen]



4. [Ambient Light HD Cine Mode Measuring screen]



5. [Ambient Light Cine Mode Measuring screen]

6. [Ambient Light Illuminance Mode Measuring screen]



[Ambient Light Luminance Mode Measuring screen]

**<Flash Mode>**



[Measuring Mode Selection screen]

Flash Mode Instruction

| No. | Description of mode |
|-----|---------------------|
| 7 | **Cordless flash mode**<br>Detects flash brightness without meter-flash connection after Measuring button pressed to arm meter for 90 seconds and flash fired separately, and displays F-stop value. |
| 8 | **Cordless multiple (cumulative) flash mode**<br>Detects and accumulates flash brightness without meter-flash connection after Measuring button pressed to arm meter for 90 seconds and flash fired separately, and displays F-stop value. |
| 9 | **Cord flash mode**<br>Detects flash brightness with synchro cord meter-flash connection, and displays F-stop value. |
| 10 | **Cord multiple (cumulative) flash mode**<br>Detects and accumulates flash brightness with synchro cord meter-flash connection, and displays F-stop value. |
| 11 | **Radio triggering flash mode**<br>Detects flash brightness after Measuring button is pressed to send radio transmitted signal to radio receiver connected to flash. Displays F-stop value (When a transmitter sold separately is installed). |
| 12 | **Radio triggering multiple (cumulative) flash mode**<br>Detects and accumulates flash brightness after Measuring button is pressed to send radio transmitted signal to radio receiver connected to flash. Displays F-stop value (When a transmitter sold separately is installed). |

○ Switching analog scales in Flash mode



1. [Cordless Multiple (Cumulative) Flash Mode Measuring screen]

2. [Cord Flash Mode Measuring screen]



3. 0 [Cord Multiple (Cumulative) Flash Mode Measuring screen]



4. [Radio Triggering Flash Mode Measuring screen]

5. b [Radio Triggering Multiple (Cumulative) Flash Mode Measuring screen]
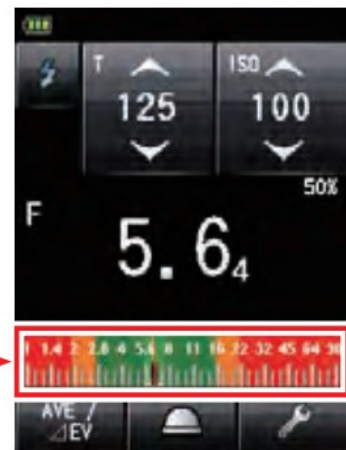
**[When Flash analyzing analog scale is Off (Mid. tone is not set)]**



**[When Flash analyzing analog scale is On]**
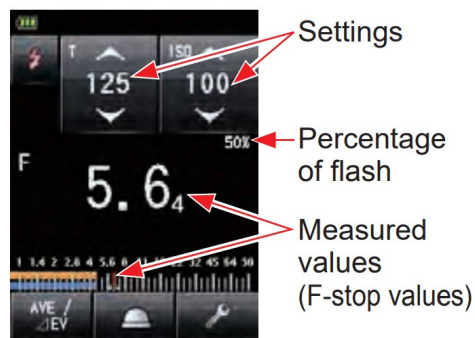


**[When Flash analyzing analog scale is Off (Mid. tone is set)]**



<HSS Flash Mode/Flash Duration Analysis Mode>



1. [Measuring Mode Selection screen]

Settings

Percentage of flash

Measured values (F-stop values)

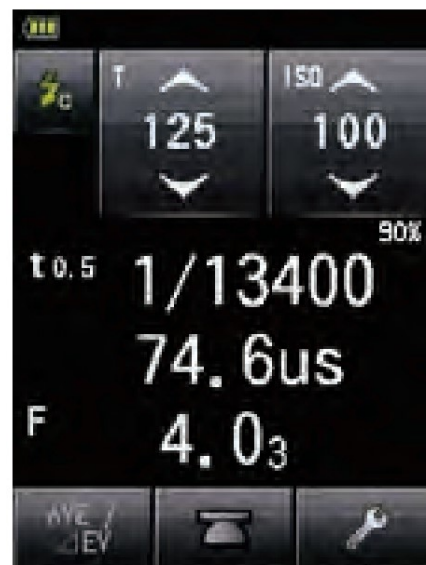2. [HSS Flash Cordless Mode Measuring screen]

| No. | Description of mode |
|---|---|
| 12 | **HSS (High Speed Synchro) flash cordless mode**<br>Select this mode to measure the brightness of a flash activated in HSS (High Speed Synchro) mode. Detects flash brightness without meter-flash connection after Measuring button pressed to arm meter for 90 seconds and flash fired separately, and displays F-stop value. |
| 14 | **HSS (High Speed Synchro) flash radio triggering mode (for RT-GX only)**<br>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 (When a transmitter sold separately is installed). |
| 15 | **Flash duration analysis cordless mode**<br>Detects flash brightness without meter-flash connection after Measuring button pressed to arm meter for 90 seconds and flash fired separately, and displays flash duration time, graph of flash wave form and F-stop value. |
| 16 | **Flash duration analysis cord mode**<br>Detects flash brightness with synchro cord meter-flash connection, and displays flash duration time, graph of flash wave form and F-stop value. |
| 17 | **Flash duration analysis radio triggering mode**<br>Detects flash brightness after Measuring button is pressed to send radio transmitted signal to radio receiver connected to flash. Displays flash duration time, graph of flash wave form and F-stop value (When a transmitter sold separately is installed). |

1. [HSS Flash Radio Triggering Mode Measuring Screen] (for RT-GX only)

2. [Flash Duration Analysis Cordless Mode Measuring screen]

3. [Flash Duration Analysis Cord Mode Measuring screen]

4. [Flash Duration Analysis Radio Triggering Mode Measuring screen]

**Switching between measured value screens (numeric value ⇔ graph) in Flash duration analysis mode**

- Flash Duration Analysis Cordless Mode Measuring screen]
- [Flash Duration Analysis Cordless Mode Optical Waveform Graph screen]

Touching the Measured value area changes the display.
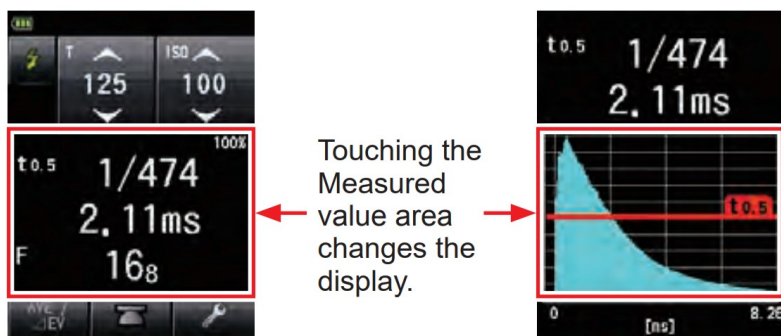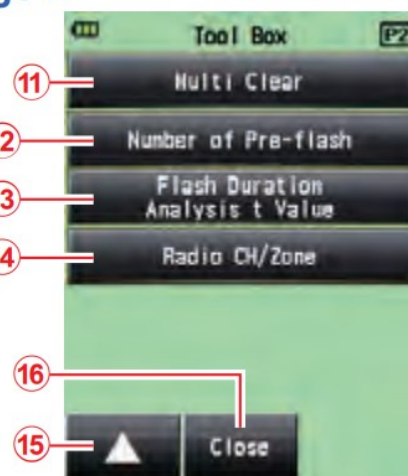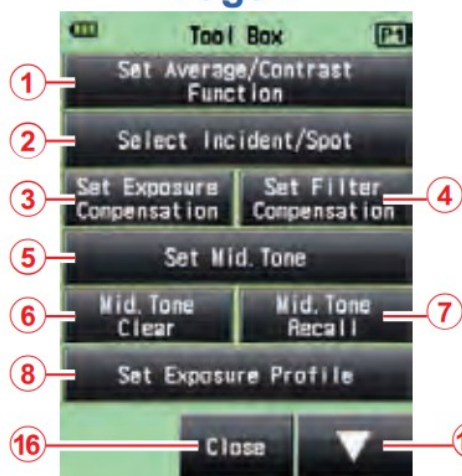
## Tool Box

*Touch the [Tool Box] icon (  ) on the Measuring screen to display settings of functions frequently used.*

**[Tool Box screen]    [Tool Box screen] Page 1                        Page 2**

### [Tool Box screen] Page 1

① Set Average/Contrast Function
② Select Incident/Spot
③ Set Exposure Compensation
④ Set Filter Compensation
⑤ Set Mid. Tone
⑥ Mid. Tone Clear
⑦ Mid. Tone Recall
⑧ Set Exposure Profile
⑯ Close
⑮ ▼

### [Tool Box screen] Page 2

⑨ Memory Clear
⑩ Memory Recall
⑪ Multi Clear
⑫ Number of Pre-flash
⑬ Flash Duration Analysis t Value
⑭ Radio CH/Zone
⑮ ▲
⑯ Close

⑪ Multi Clear
⑫ Number of Pre-flash
⑬ Flash Duration Analysis t Value
⑭ Radio CH/Zone
⑯ Close
⑮ ▲

| No. | Item name | Description |
|-----|-----------|-------------|
| 1 | Set Average/Contrast Function | Selects On/Off. |
| 2 | Select Incident/Spot | Selects the light receiving method (Incident/Spot). |
| 3 | Set Exposure Compensation | Inputs a Exposure compensation value. |
| 4 | Set Filter Compensation | Inputs a filter compensation value or select a filter. |
| 5 | Set Mid. Tone | Sets or edits the Mid. Tone from the measurementor memorized value. |
| 6 | Mid. Tone Clear | Deletes Mid. tone value. |
| 7 | Mid. Tone Recall | Recalls Mid. tone value. |
| 8 | Set Exposure Profile | Selects an exposure profile. |
| 9 | Memory Clear | Deletes measurements stored in the memory.(Not displayed in multiple flash mode.) |
| 10 | Memory Recall | Redisplays data stored in the memory.(Not displayed in multiple flash mode.) |
| 11 | Multi Clear | Deletes accumulated data. (Displayed in multiple flash mode only.) |
| 12 | 12of Pre-flash | Selects the number of times before pre-flashing is canceled. |
| 13 | Flash Duration Analysis t Value | Inputs t value of Flash duration analysis. |
| 14 | Radio CH/Zone *[1] | Selects a radio channel/zone. |
| 15 | ♦/♦ | Moves to the previous or next page. |
| 16 | Close | Closes Tool Box and returns to the Measuring screen. |

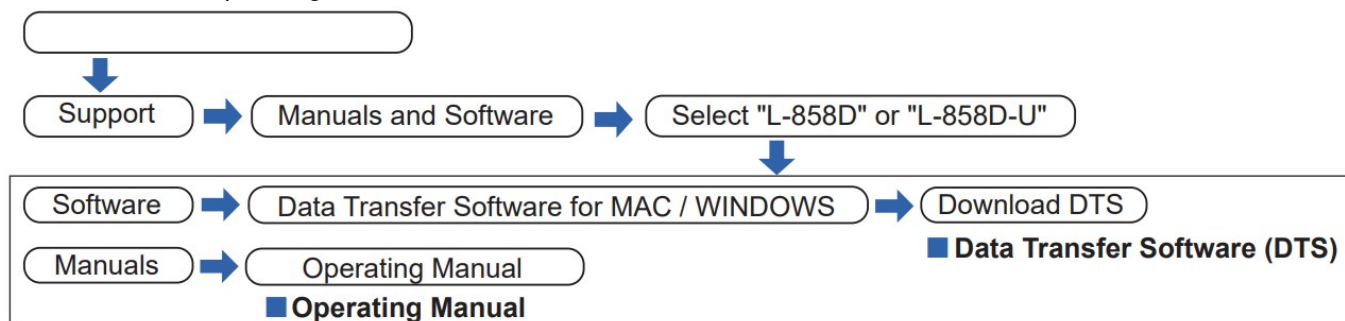1. Content to be displayed differs depending on which transmitter (sold separately) is installed.

## Menu Screen and Custom Settings

The Menu screen enables you to previously customize or edit the function or display settings. Press the Menu button **9** on the meter to display the screen.

**[Menu screen] Page 1** → **[Custom Setting screen] Page 1**, **[Custom Setting screen] Page 2**

**[Menu screen] Page 2**, **[Custom Setting screen] Page 3**, **[Custom Setting screen] Page 4**

## Download

■Operating Manual ■Data Transfer Software (DTS) Please visit website to download the latest version of DTS software and the operating manual as follows:



Support ➡ Manuals and Software ➡ Select "L-858D" or "L-858D-U"

Software ➡ Data Transfer Software for MAC / WINDOWS ➡ Download DTS
■ **Data Transfer Software (DTS)**

Manuals ➡ Operating Manual
■ **Operating Manual**

You can also use the URLs below for direct access to both DTS and the operating manual.

## Optional Radio Transmitters

Sekonic makes five radio transmitters for use with the L-858D that can be
purchased separately. When purchasing and/or installing a radio transmitter, make sure that the meter, transmitter and radio receiver are designed for use in your location and have the proper frequency to comply with local broadcast regulations

| L-858D Serial # | Transmitter Model # | Operating Frequency |
|---|---|---|
| Y11-XXXXXX (Canada IC) JY1L-XXXXXX (FCC) | RT-20PW | PocketWizard (FCC & Canada IC): 344.0 to 354.00 MHz |
| JY11-XXXXXX (CE) JY1G-XXXXXX (NCC) | RT-3PW | PocketWizard (CE & NCC): 433.42 to 434.42MH |
| JY10-XXXXXX (Japan) JY11-XXXXXX (CE) JY1G-XXXXXX (SRRC, NCC) JY1L-XXXXXX (FCC) | RT-BR | broncolor (FCC, Canada IC, CE, SRRC, Japan): 2.4GHz |
| | RT-EL/PX | Elinchrom and Phottix (FCC, Canada IC, CE, NCC, SRRC, Japan): 2.4GHz |
| | RT-GX | Godox (FCC, Canada IC, CE, SRRC, Japan): 2.4GHz |
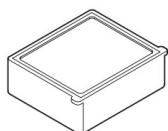


RT-20PW
RT-3PW
RT-BR
RT-EL/PX
RT-GX

- PocketWizard® is the registered trademark of LPA Design.
- broncolor® is the registered trademark of Bron Elektronik AG.
- Elinchrom is the registered trademark of Elinchrom SA.
- Phottix® is the registered trademark of Phottix Hong Kong Ltd.
- Godox® is the registered trademark of Godox Photo Equipment Co. Ltd.
- The contents of this manual may be subject to change for the product's specification modifications and other reasons without prior notice.

**Documents / Resources**

**SEKONIC L-858D, L-858D-U Speedmaster** [pdf] User Guide
L-858D L-858D-U Speedmaster, L-858D, L-858D-U, L-858D Speedmaster, L-858D-U
Speedmaster, Speedmaster

# References

-  **Calcert**