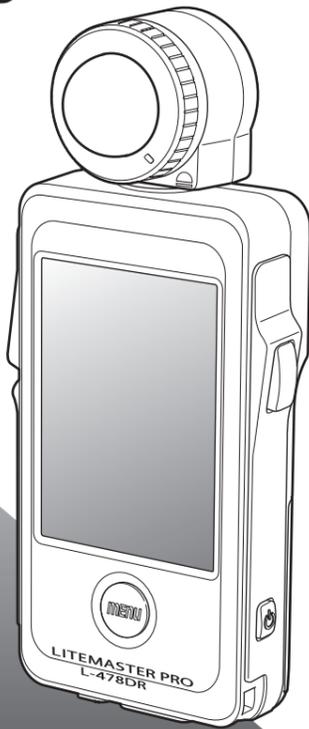# SEKONIC

Light Meter

Startup Guide

LITEMASTER PRO

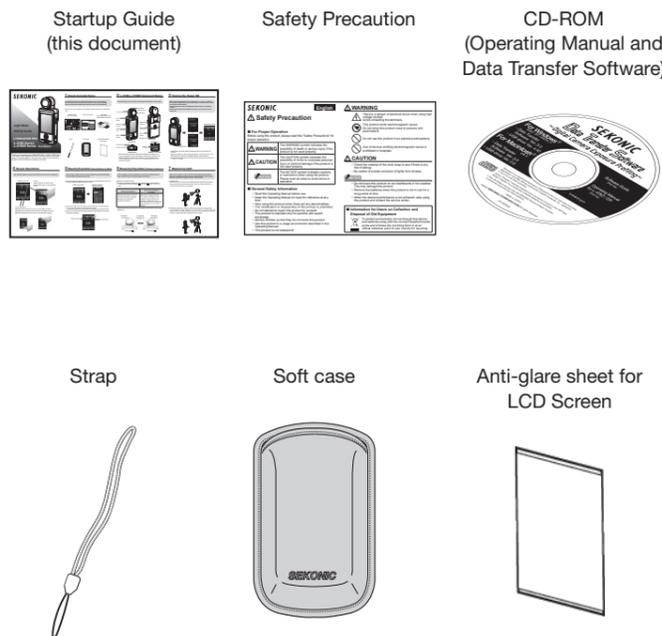### L-478D Series
L-478DR Series

PocketWizard®

Thank you for purchasing the LITEMASTER PRO L-478D,L-478DR Series. This Startup Guide introduces the basic operating functions of this light meter. For specific details on this light meter, please see the Operating Manual on the CD-ROM (included in the package).
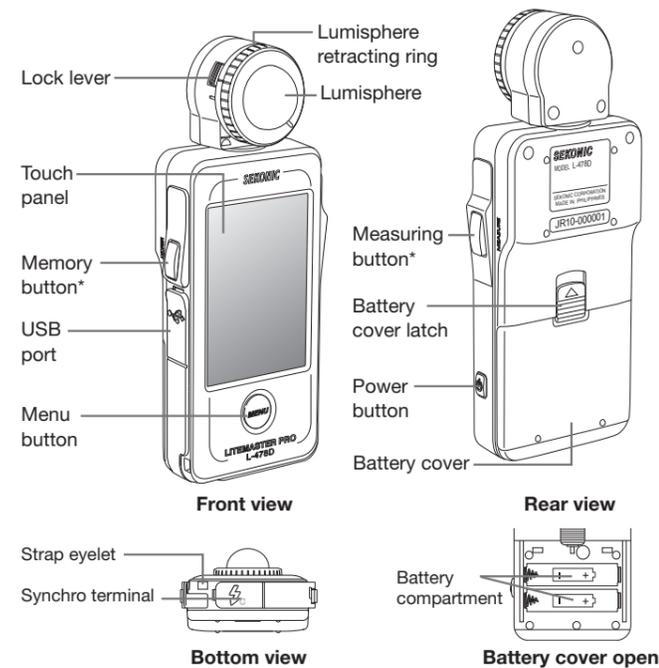
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1 Check Included Items

The following items are included with the meter in the package. Please be sure that everything is included. If any item is missing, please contact the reseller that sold the meter or the distributor.

● Batteries are not included in the package. Please prepare two AAA before use.

Startup Guide (this document)	Safety Precaution	CD-ROM (Operating Manual and Data Transfer Software)

Strap	Soft case	Anti-glare sheet for LCD Screen

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2 L-478D,L-478DR Component Names

The followings are the names of the buttons and parts on the meter.

- Lumisphere retracting ring
- Lock lever
- Lumisphere
- Touch panel
- Memory button*
- USB port
- Menu button
- Measuring button*
- Battery cover latch
- Power button
- Battery cover

Front view

Rear view

- Strap eyelet
- Synchro terminal
- Battery compartment

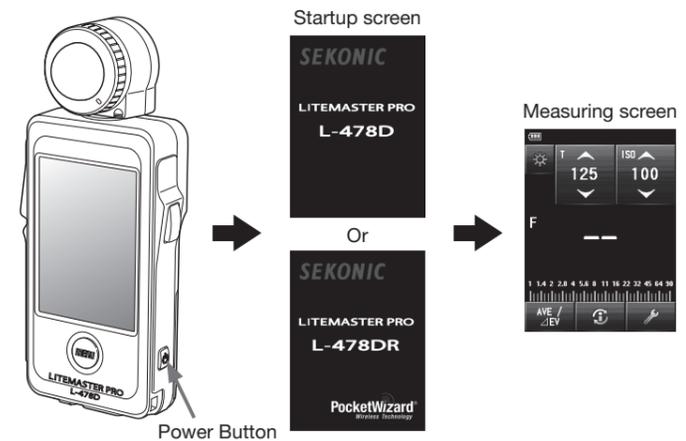**Bottom view**

Battery cover open

*When using the Spot Meter attachment (separate accessory), you may find operation more comfortable by switching the Memory and Measuring button functions. For details to do this, please see the Custom Settings function section in the Operating Manual on the included CD-ROM.

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3 Turning the Power ON

After inserting the batteries according to the "+" and "-" symbol in the battery compartment, press and hold the Power Button for about 1 second to start up meter.
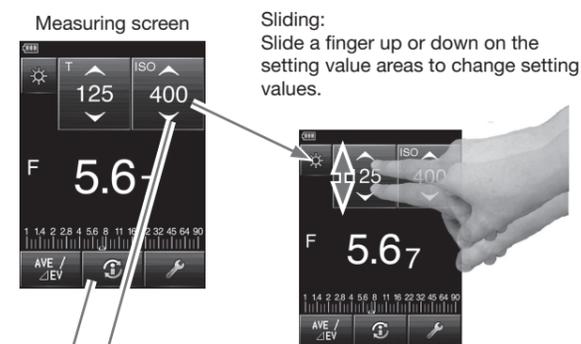*The startup screen will be displayed, followed by the measuring screen.
*Press and hold the Power Button for about 1 second to turn the meter off.

Startup screen

Or

Measuring screen

Power Button

*Please wait 3 seconds between repeated power on and power off sessions.
*When first starting or after replacing batteries, a white screen with the SEKONIC logo in blue will be displayed as the meter starts up.
*For explanation purpose, the LCDs illustrated here show the displays of L-478D or L-478DR.

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4 Screen Operations

This section explains how the touch panel on the meter is operated.

Measuring screen

Sliding:
Slide a finger up or down on the setting value areas to change setting values.
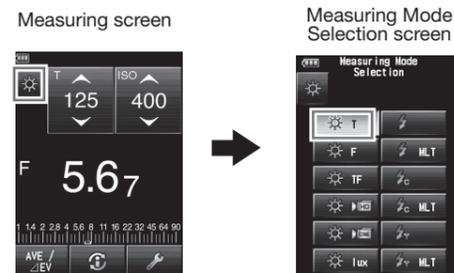
Touch Operations:
◆Setting value increases when the up arrow (▲) is touched.
◆Setting value decreases when the down arrow (▼) is touched.
◆Touch icon/buttons on the screen to activate their function.

---

5 Measuring Preparations (Selecting Measuring Mode)

This example explains how to measure light using the ambient light T value (shutter speed) priority mode.

1) Touch the Measuring Mode icon at the top left of the Measuring screen to enter the Measuring Mode Selection Screen.

Measuring screen

Measuring Mode Selection screen

2) Touch the ambient T icon to select the ambient light T (shutter speed) priority mode and return to the Measuring screen.
   * The above screen example shows all of the Measuring Mode visible.

3) Set the ISO sensitivity and shutter speed corresponding to the camera settings for shooting.

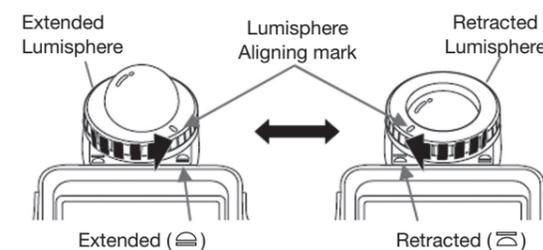Shutter speed

ISO sensitivity

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6 Measuring Preparations (Setting Lumisphere)

The Lumisphere can be extended or retracted to obtain the best light measurements for different types of subjects.

Selecting Lumisphere setting
● Turn the Lumisphere retracting ring to set the aligning mark with the corresponding symbol (extended �/retracted ⌐) until it clicks into place.

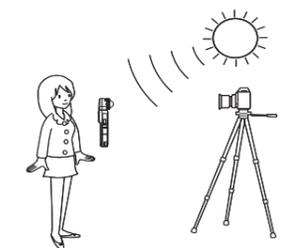| Extended Lumisphere	Retracted Lumisphere (Lumidisc)
Extended lumisphere is used to measure illumination of people, buildings, and other three dimensional subjects.	Retracted Lumisphere (Lumidisc) is used to measure illumination of flat subjects such as manuscripts, paintings, difference of one or more light sources for ratio lighting and illumination in Lux or Foot-candle.

* Models sold in some countries do not display "Foot-candle" due to legal restrictions.

- Extended Lumisphere
- Lumisphere Aligning mark
- Retracted Lumisphere

Extended (�)
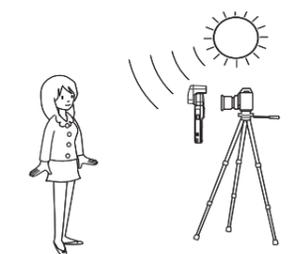
Retracted (⌐)

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7 Measuring Light

This section explains how to take an incident-light measurement using the extended Lumisphere and a reflected-light measurement using the optional 5-degree Viewfinder attachment.

1) Incident Light
   Position the meter in front of the subject with the extended Lumisphere facing towards the camera's lens axis. Press the measuring button to measure the light falling on the subject.
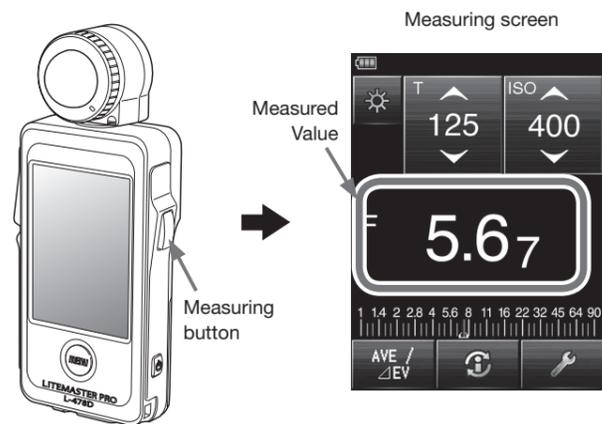

2) Reflected Light (with 5-degree viewfinder attachment sold separately)
   Look through the finder eyepiece from the position of camera, place the desired area to be measured within the yellow circle and press the measuring button to measure the light reflected from the subject.

8 Checking Measured Value

This example explains how to observe exposure value using the ambient light T value (shutter speed) priority mode.
F stop value (aperture) is displayed for ambient light in T (shutter speed) priority mode.

Measuring screen

Measured Value

Measuring button

9_1 Measuring Modes (ambient light)

The following describes the other measuring modes available to meet your shooting needs.

* Measuring Modes can be added or removed in the Custom Setting Mode.

Icon	Mode Details
☼ T	Ambient light T (shutter speed) priority mode Displays f-stop values (apertures numbers) for input shutter speed and ISO values.
☼ F	Ambient light F stop(aperture) priority mode Displays shutter speed values for input F stop and ISO values.
☼ TF	Ambient light TF (Shutter speed and F stop) priority mode. Displays ISO value for input shutter speed and F-stop.
☼ ▸HD	Ambient light HD Cine mode Displays F-stop value for input shutter speed, frame rate and ISO values.
☼ ▸CINE	Ambient light Cine mode Displays F-stop value for input frame rate (f/s), ISO, and shutter angle values.
☼ lux	Ambient light Illuminance (lux) mode Displays brightness values in lux units.
☼ fc	Ambient light Illuminance (fc) mode *1 Displays brightness values in foot-candle units.
☼ cd/m²	Ambient light Luminance (cd/m²) mode (by reflected light measurement using with accessory viewfinder available as separate purchase) Displays brightness values in cd/m² units.
☼ fl	Ambient light Luminance (fl) independent display mode *1 (by reflected light measurement using with accessory viewfinder available as separate purchase) Displays brightness values in foot-lambert units.

9_2 Measuring Modes (flashlight)

Icon	Mode Details
⚡	Cordless mode Detects flash brightness without meter-flash connection after measuring button pressed to arm meter for 90 seconds and flash fired separately. Displays f-stop values (apertures numbers) for input shutter speed and ISO values.
⚡ MLT	Cordless multi (cumulative) flash mode Detects and accumulates flash brightness without meter-flash connection after measuring button pressed to arm meter for 90 seconds and flash fired separately. Displays f-stop values (apertures numbers) for input shutter speed and ISO values.
⚡c	Cord (PC) mode Detects flash brightness with PC cord meter-flash connection. Displays f-stop values (apertures numbers) for input shutter speed and ISO values.
⚡c MLT	Cord multi (cumulative) flash mode Detects and accumulates flash brightness with PC cord meter-flash connection. Displays f-stop values (apertures numbers) for input shutter speed and ISO values.
⚡Y	Radio flash mode *2 Detects flash brightness without meter-flash connection after radio transmitted trigger signal is received by radio-receiver connected flash. Displays f-stop values (apertures numbers) for input shutter speed and ISO values.
⚡Y MLT	Radio multi (cumulative) flash mode *2 Detects and accumulates flash brightness without meter-flash connection after radio transmitted trigger signal is received by radio-receiver connected flash. Displays f-stop values (apertures numbers) for input shutter speed and ISO values.

*1 Models sold in some countries do not display "fc" and "fl" due to legal restrictions.
*2 L-478DR Series only. PocketWizard® receivers are required to work with PocketWizard® radio system by LPA Design.

10_1 Radio Flash Mode (for L-478DR Series) Setting Channel and Zones

The following describes how to select the channel and zones for using PocketWizard® ControlTL®.

Setting ControlTL® Channel
1) Touch the Tool Box icon ( ) at the bottom of the Measuring screen to display the Tool Box screen.
2) Touch the Radio CH/Zone button to display the Radio Trigger Channel / Zone setting screen. Then touch the CTL tab activate the ControlTL settings.
3) Touch the arrows ▲/▼ or slide your finger over the screen to select a channel from 1 to 20 for FCC & Canada IC version, from 1 to 3 for CE version.
4) Touch one or more of the control zone buttons (A,B,C) to select flash zones you want to use.
 *Zone(s) can be selected from Power Control Screen as well.
5) Touch the OK tab to confirm settings and return to the Measuring screen. (Touch the Cancel tab to cancel settings.)

Measuring screen

Tool Box

Radio CH/Zone setting

Channel numbers Zones

* See more details for PocketWizard® system at www.pocketwizard.com.

* PocketWizard® and ControlTL® are the registered trademarks of LPA Design.

10_2 Radio Flash Mode (for L-478DR Series) Channel Setting in Radio Triggering Mode

The following describes how to select the channel and zones for using PocketWizard® Standard Channels.

Setting Standard Channel
1) Touch the Tool Box icon ( ) at the bottom of the Measuring screen to display the Tool Box screen.
2) Touch the Radio CH/Zone button to display the Radio Trigger Channel / Zone setting screen. Then touch the STD tab to activate the Standard Channel settings.
3) Touch the arrows ▲/▼ or slide your finger over the screen to select a channel from 1 to 32. Channels 1-16 provide single triggering(no zone).
4) Select channel numbers17-32 to display zone buttons A, B, C, D provide triggering of up to four zones of lighting.
 •The displayed example below is for channel number 32.
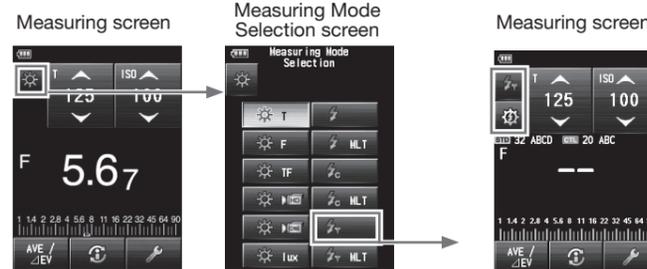 •Touch the OK to confirm settings and return to the Measuring screen. (Touch the Cancel tab to cancel settings.)

Measuring screen

Tool Box

Radio CH/Zone setting

Channel numbers Zones

*See the Operating Manual for the radio receiver to learn about settings for the radio receiver incorporated into the flash.
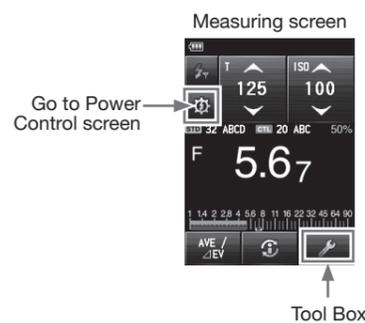
11_1 Radio Flash Mode (for L-478DR Series) Measuring Flash Light

The following describes how to trigger the flash units in Radio Flash Mode.

1) Touch the Measuring Mode icon ( ) at the top left of the Measuring screen and then select of the Radio Flash Mode ( )

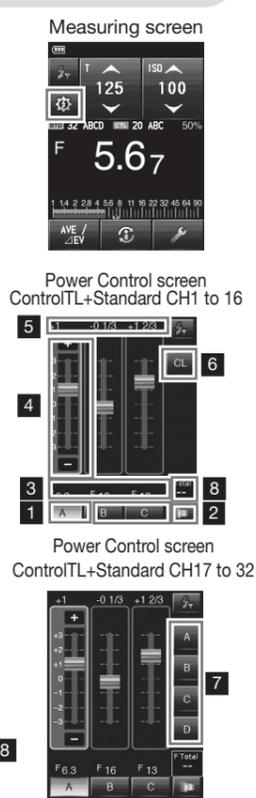Measuring screen

Measuring Mode Selection screen

Measuring screen

2) Set the shutter speed and ISO sensitivity to use in Measuring screen.
3) Press the Measuring button to trigger the flash units set in advance with channel and zones.
4) Select the zones to trigger from the Power Control screen (See next page) or Tool Box.

Measuring screen

Go to Power Control screen

Tool Box

11_2 Radio Flash Mode (for L-478DR Series) Adjusting Flash Intensity

The following describes how to control the power of flash in Radio Flash Mode. Power Control function is available with PocketWizard® system only.

1) Touch the Power Control icon ( ) on the Measuring screen to display the Power Control screen.
2) Select one or more Zones (A to C) **1** and press the Measuring button to trigger flash for the selected Zone.
3) The measured value is displayed in a box at the bottom right of the screen **2** and over the selected Zone button **3** . Move the slider or press [+]/[-] button **4** to change the power of flash. Set power level is displayed in the area above the slider **5** .
 * Up to +/- 3 step of value (f stop) can be controlled.
4) Press the Measuring button for measurement to confirm that the flash power is set to desired value.
5) Repeat 2) to 4) above for other Zones until each flash unit's brightness is set to proper value for the effect you want.
6) Select the Zones you want to use, and press the Measuring button. Measured values of each Zone **3** will not change. The F-number for the measured brightness of all lights will be displayed in the "F Total" box.
7) When Standard System radio products are used at the same time, they can be triggered at the same time as power controlled flashes. When a Standard channel number is set from 1 to 16, **CL** (classic channel) button appears **6** . When channel number is sent from 17 to 32, the zones (A to D) appear in the area of **7** .

 * Press Modeling Lamp ON /OFF icon **8** if necessary after selecting the desired zones.

Measuring screen

Power Control screen
ControlTL+Standard CH1 to 16

Power Control screen
ControlTL+Standard CH17 to 32

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JR129762-PW_en-03
NOVEMBER 2015
Printed in Philippines