

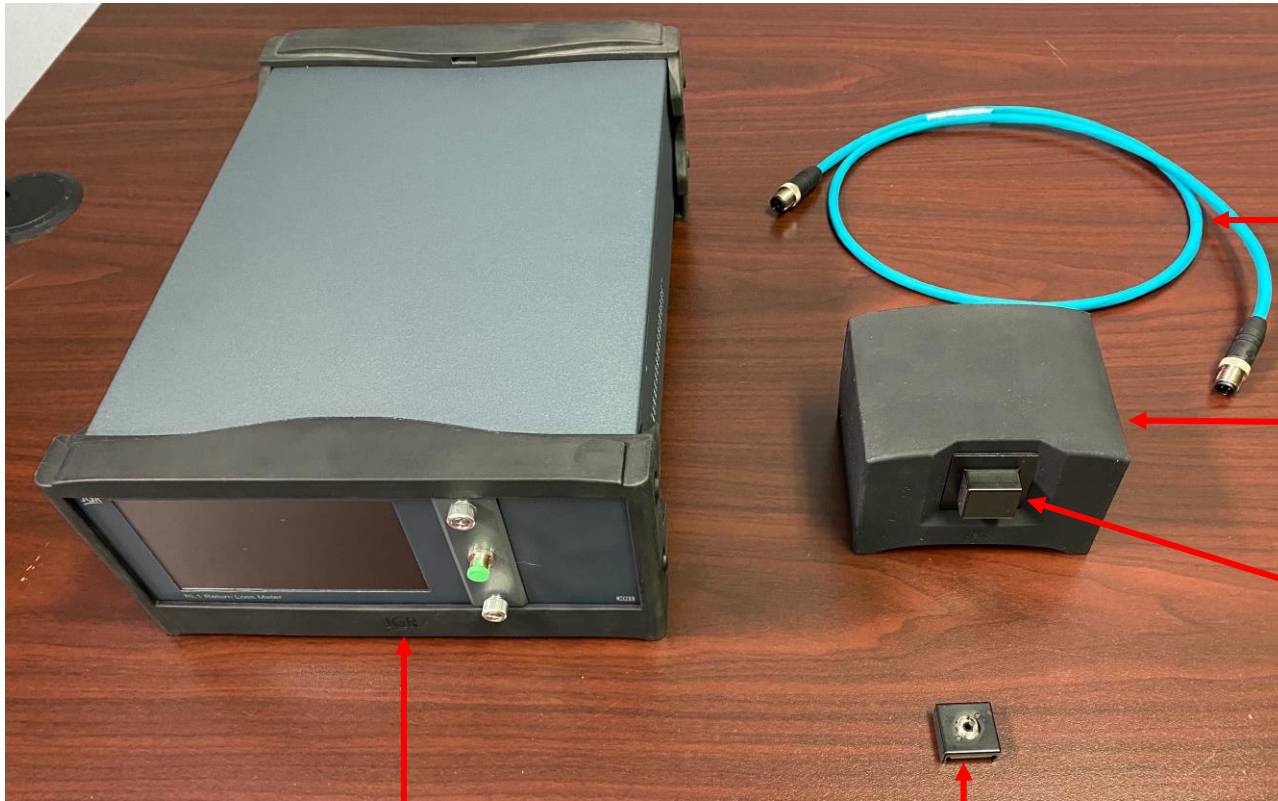
Getting Started with the RL1

Getting Started with the RL1

This guide will give an overview of how to get started with the RL1 automated return loss meter. For more information, please visit www.jgroptics.com or email support@jgroptics.com



Getting Started with the RL1



M12 Cable

Communications and charging cable for the RD-S

RD-S

Remote-head detector with Gen.2 integrating cavity

SD00

Slide detector cap

RL1

Automated return loss meter

SD01

Slide FC detector adapter

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M12 input (from 2nd RD-S)

M12 output (to RL1)

Micro-USB charging port

- Press once: power on or reset the wireless connection
- Press and hold for 7 seconds: power off
- Press once: reset network settings
- Do **NOT** press and hold for > 5 seconds



M12 input (from RD-S)

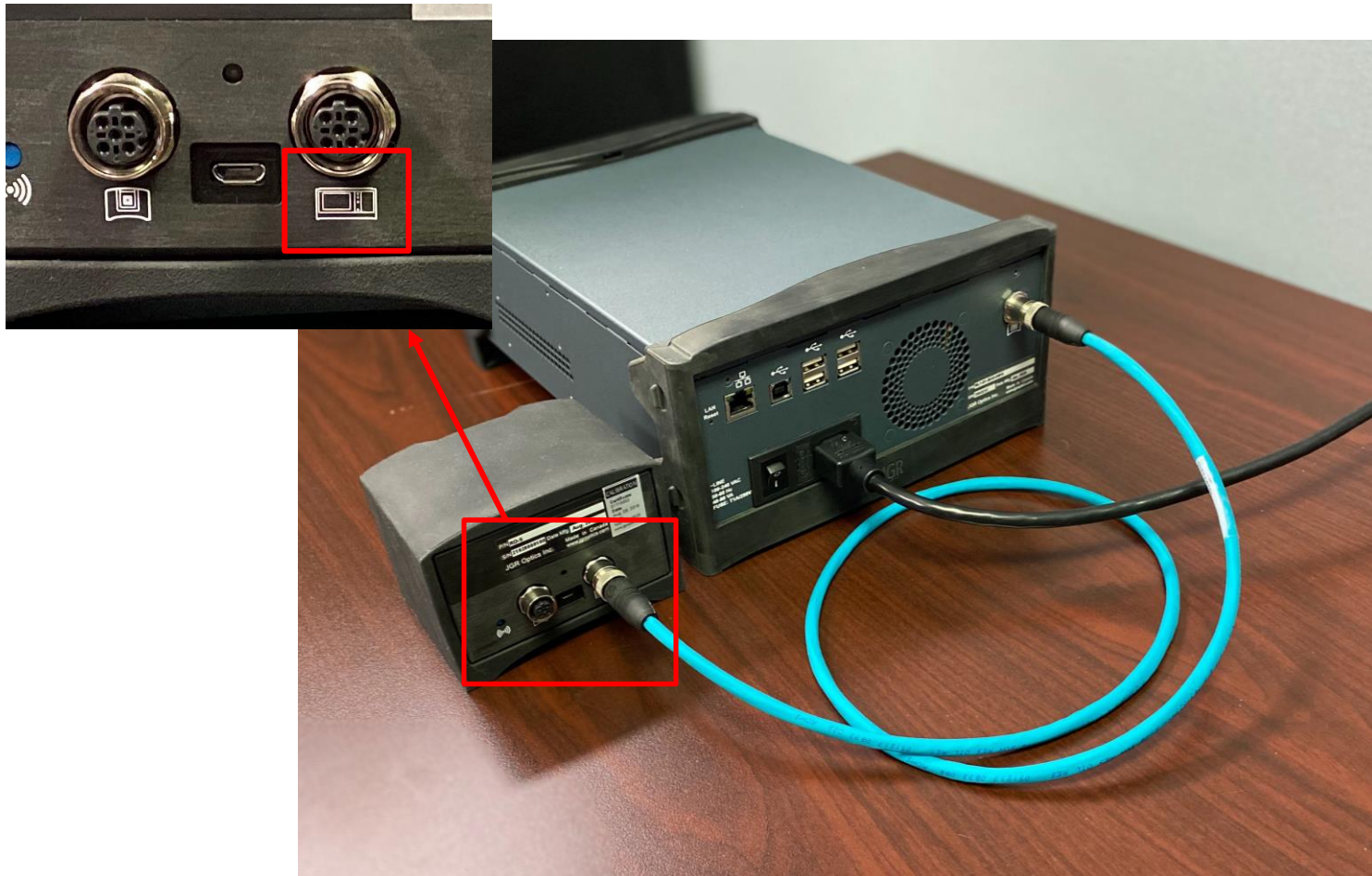
Ethernet port

USB-B to PC

USB-A to peripherals
ex: SX1 switch, barcode scanner, etc

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Use the M12 cable to connect the RD-S from the output port (with the RL1 diagram) to the RL1 input port. Connect a power cable to the RL1 and turn on the unit.



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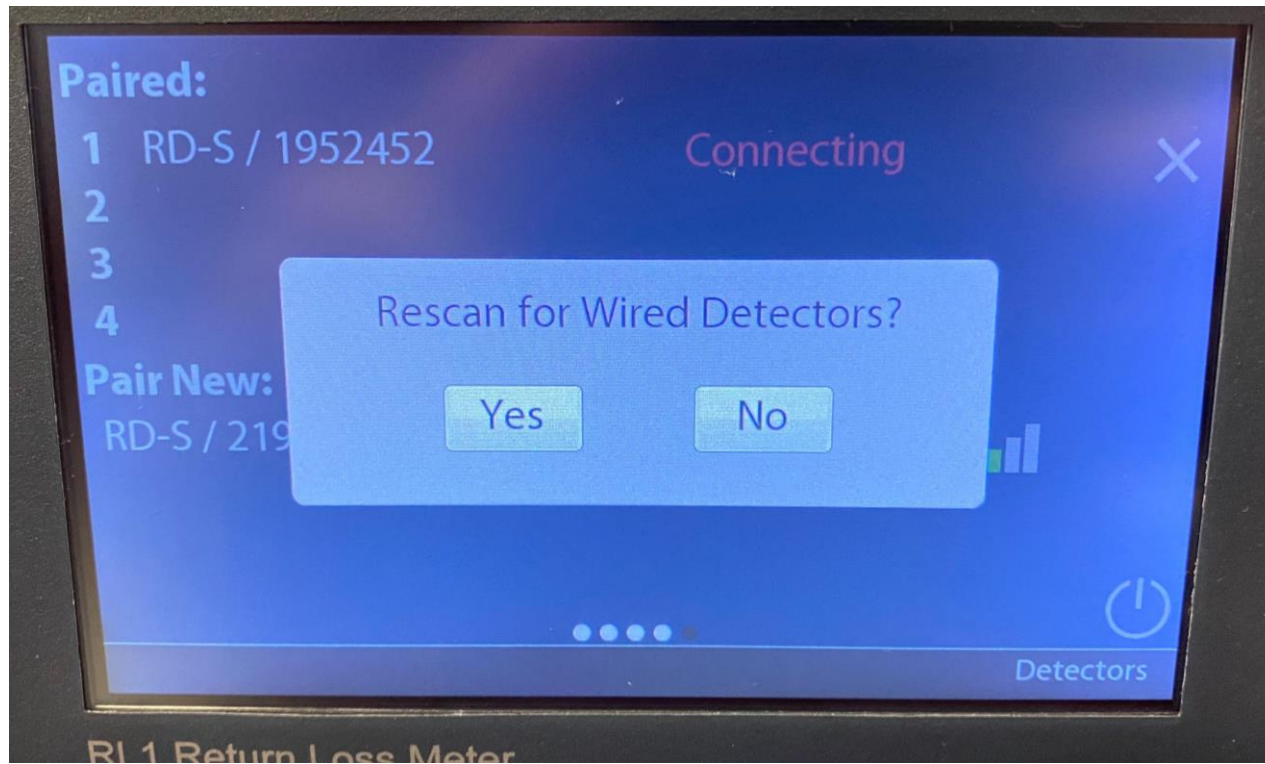
Swipe left and right on the front panel touchscreen to access the various pages. Swipe all the way to the right to access the *Detectors* page. Make sure the RD-S is turned on.



Press the wireless button to turn on the RD-S. The red LED will light up.

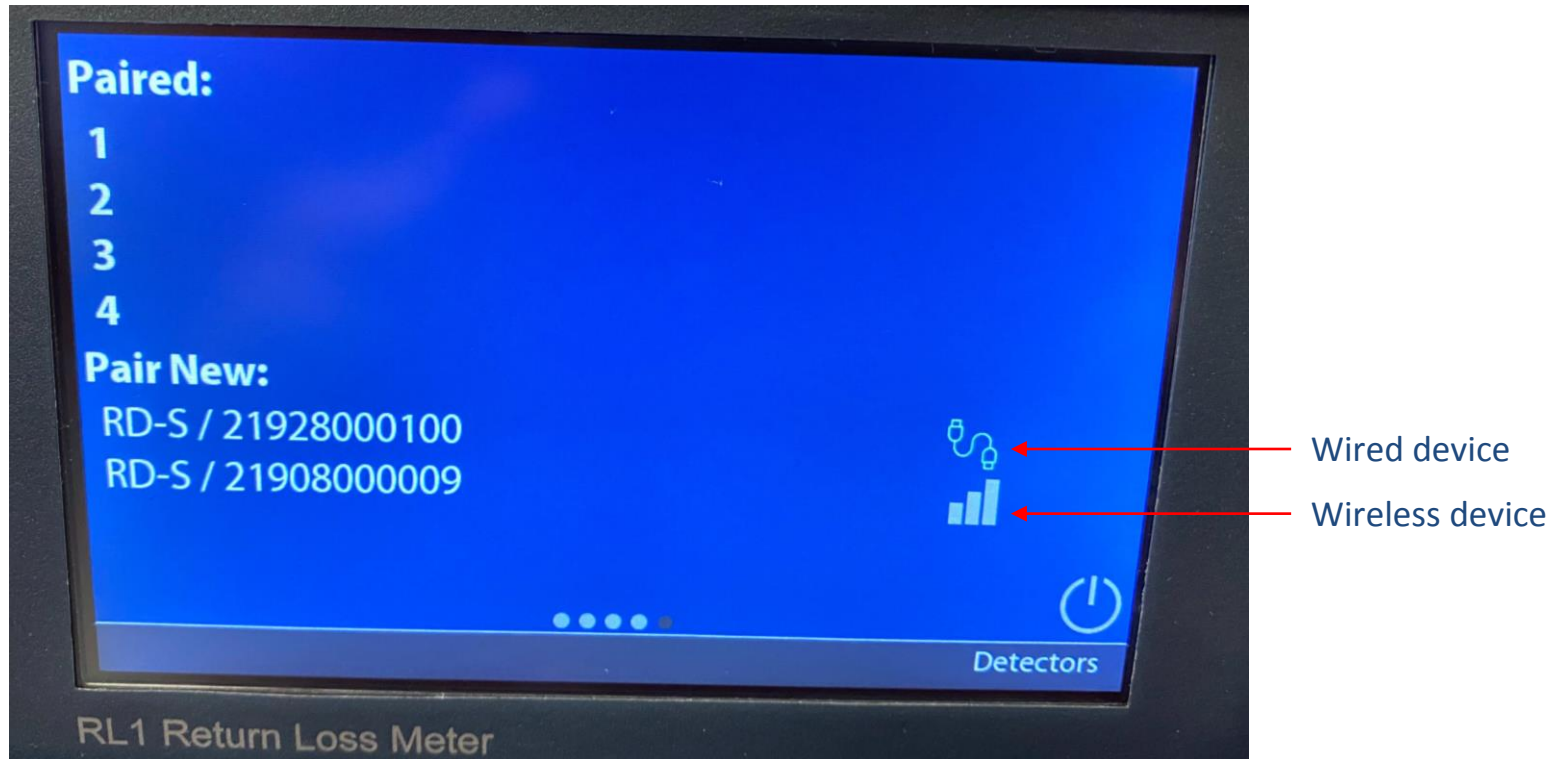
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- Press X on an item in the *Paired* list to unpair a detector.
- Press and hold on the touchscreen to rescan for wired detectors.

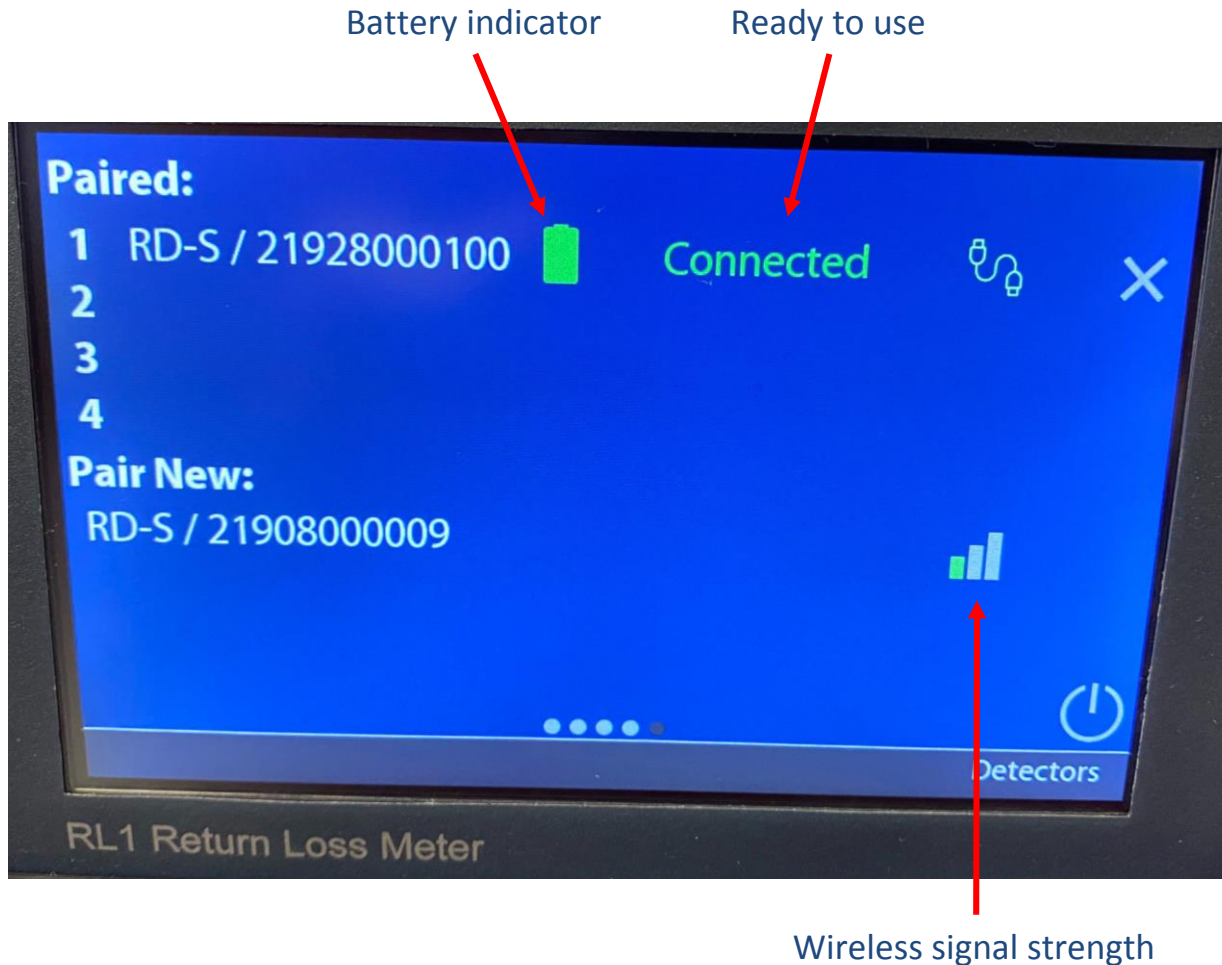


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To pair a new detector, press on an item in the *Pair New* list.



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Wireless signal strength

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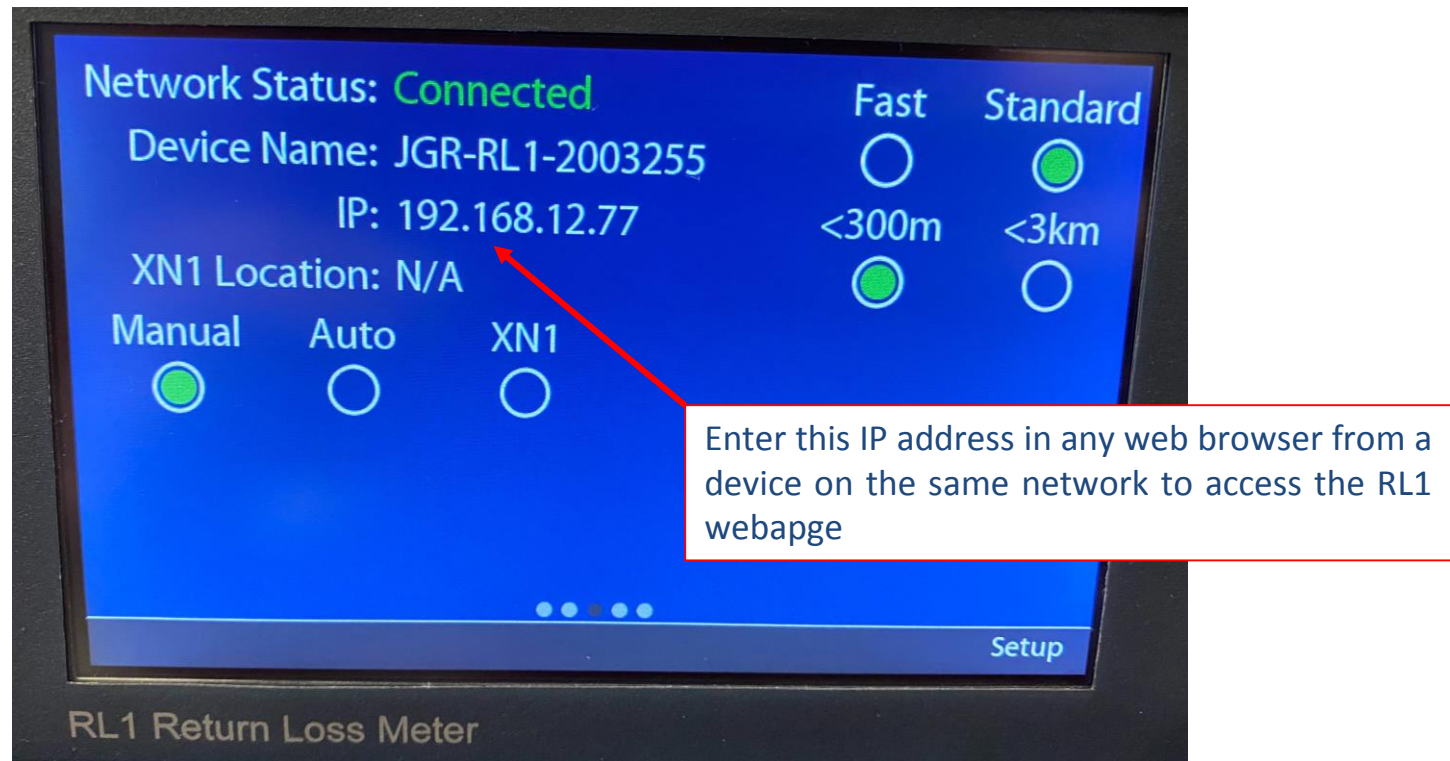
Swipe two pages left to access the *Setup* page.



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Optional: connect an ethernet cable to the RL1.

By default, the RL1 will be assigned an IP address dynamically. This is used to access the RL1 webpage which shows device information and the steps for self-calibration.



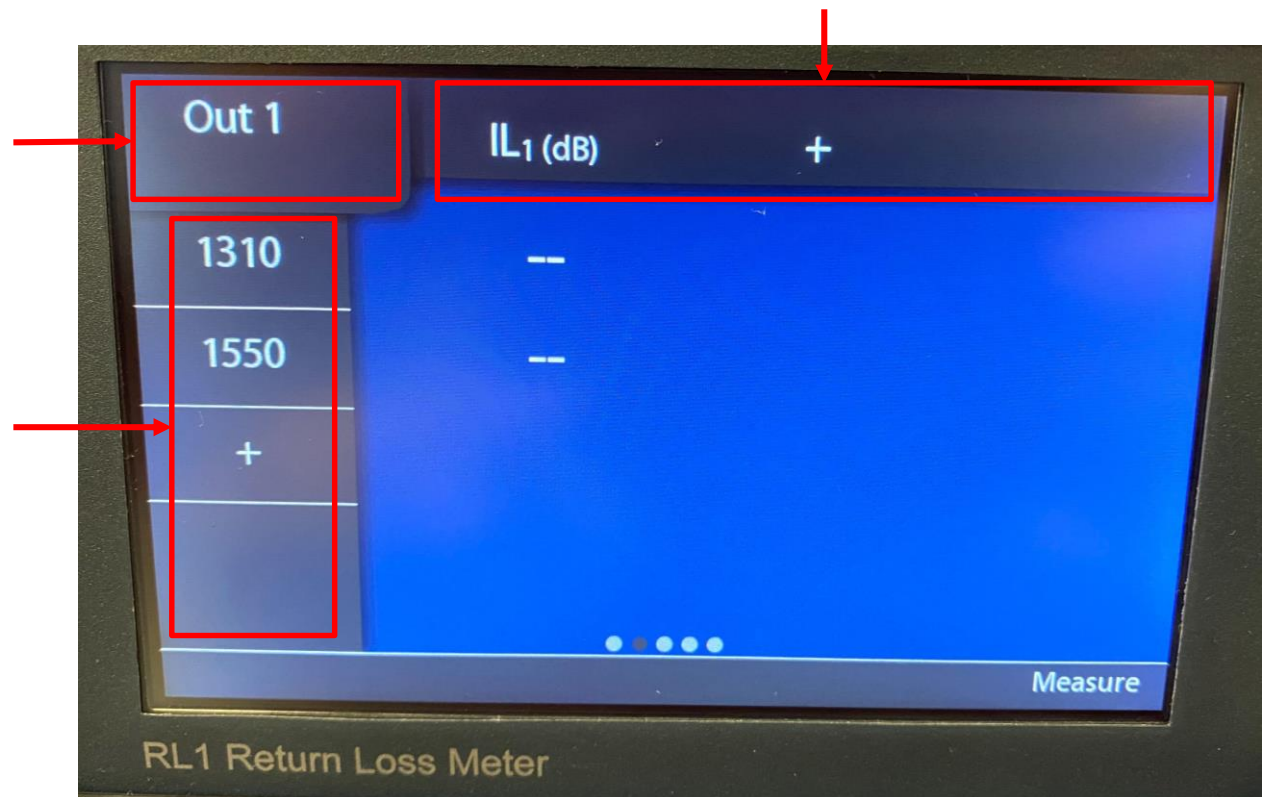
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Swipe one page left to access the *Measure* page.

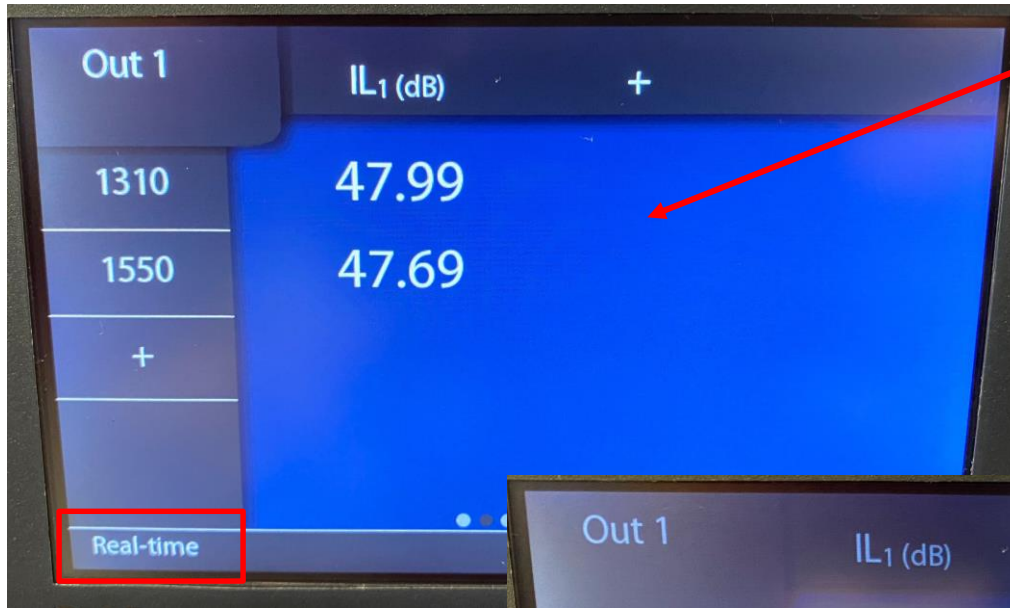
- Displays system output channel and DUT length (if applicable)
- Press to change outputs
- Press and hold for more options

Measurement types
(IL_x , RL , RL_{dual} , RL_{Total})

Wavelengths

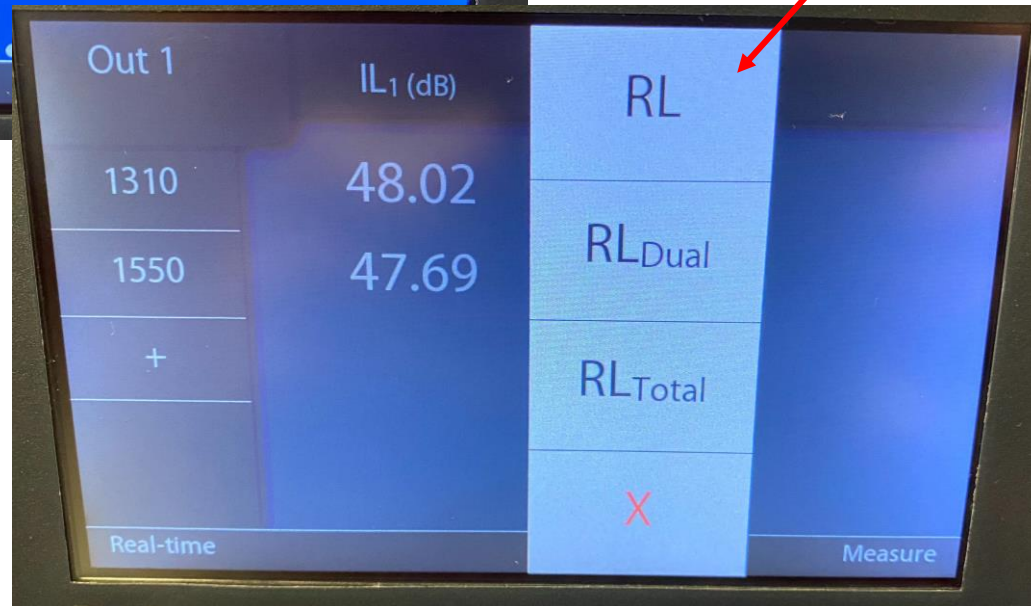


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- Tap on the touchscreen to enable real-time display
- Press and hold to return to *Local* mode from *Remote* mode

Tap on a column or row header to add/remove/change a test parameter



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Set up test parameters as desired.

Real-time display:

- IL has the same accuracy as a full measurement
- RL has the same accuracy as *Fast* mode



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Swipe one page left to access the *Reference* page.

- The columns and rows are auto-generated based on the RL1 configuration and peripherals
- Tap on a column or row header to reference that parameter
- Tap anywhere in the main area to perform a full reference

