

MobileCollect wireless

How to install or replace a Mini
Mobile Module gage cable



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Remove Cover



- Remove the Mobile Module cover
 - 4 screws, # 2 Phillips
- These instructions are in Section 6.2 of the MobileCollect Hardware Components User Guide

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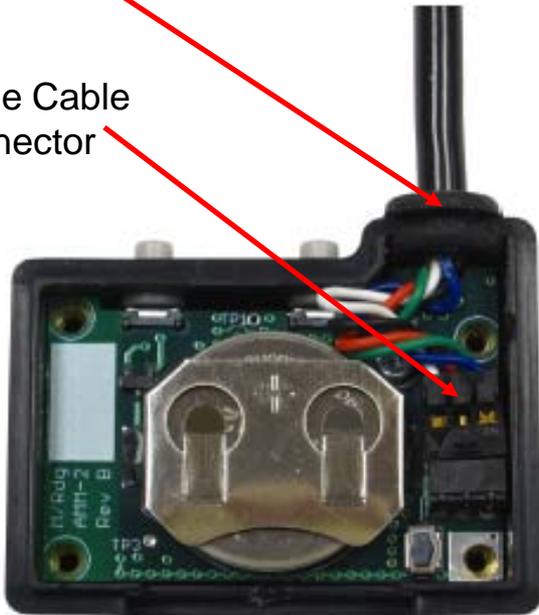
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Remove existing cable

Rubber Grommet

Gage Cable
connector



Mini Mobile Module Gage Cable

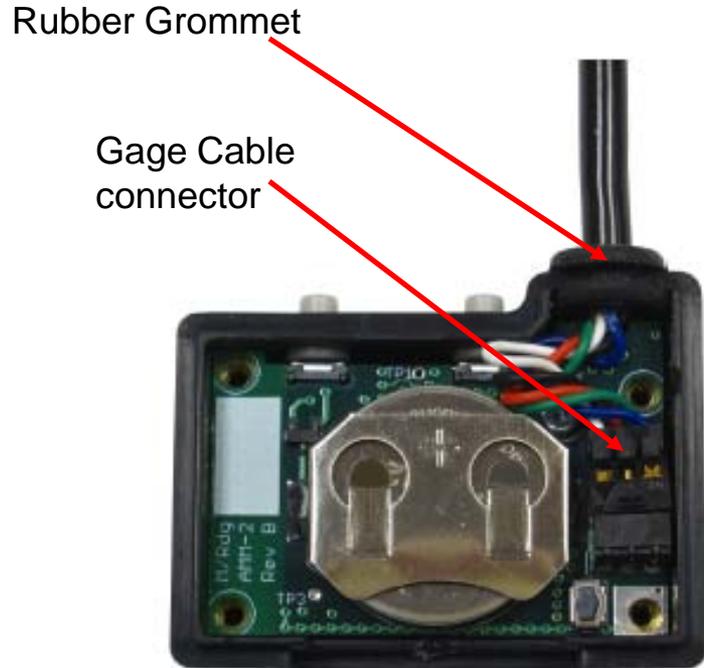
- Pull the rubber grommet free from the housing
- Gently pull the cable connector free from the male connecting pins on the transmitter

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Attach new cable



Mini Mobile Module Gage Cable

- Locate the small tab on the edge of the 6-pin gage cable female connector
 - This tab must be facing up when you install the cable
- Slide the female cable connector onto the male transmitter pins
- Press the rubber grommet into the transmitter housing and replace the cover
 - Do not over-tighten the screws.

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Same or Different brand?

- If the new cable is for the same gage brand as the old cable, you can connect the cable to the gage and begin taking readings.
 - Example: Mitutoyo to Mitutoyo, Mahr to Mahr, etc.
- If the new cable is for a different gage brand, you will need update the Mobile Module to recognize the new gage.
 - Example: switching from Mitutoyo gage to Mahr gage
 - Proceed to following pages for instructions
- NOTE: all Mini Mobile Modules shipped without cables are setup for Mitutoyo gages

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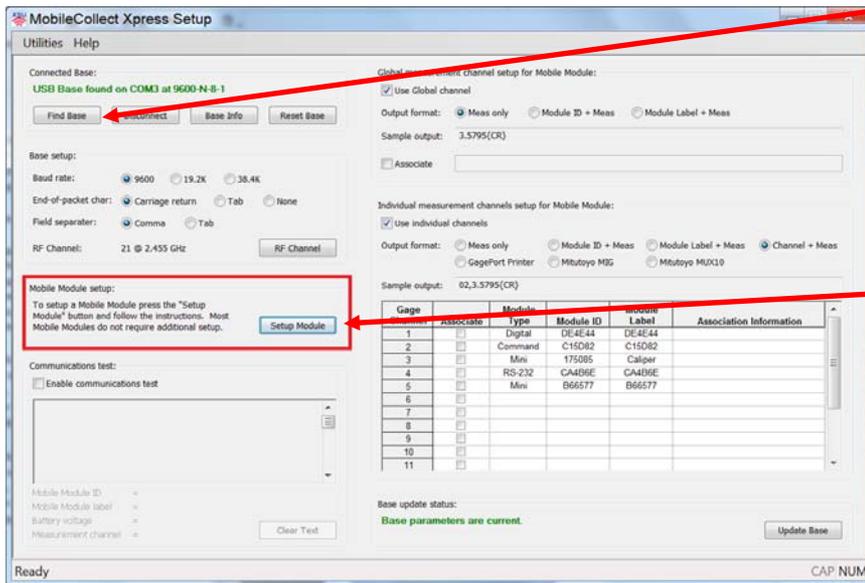
How to update a Mini Mobile Module to work with a different gage brand

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Setup Mobile Module



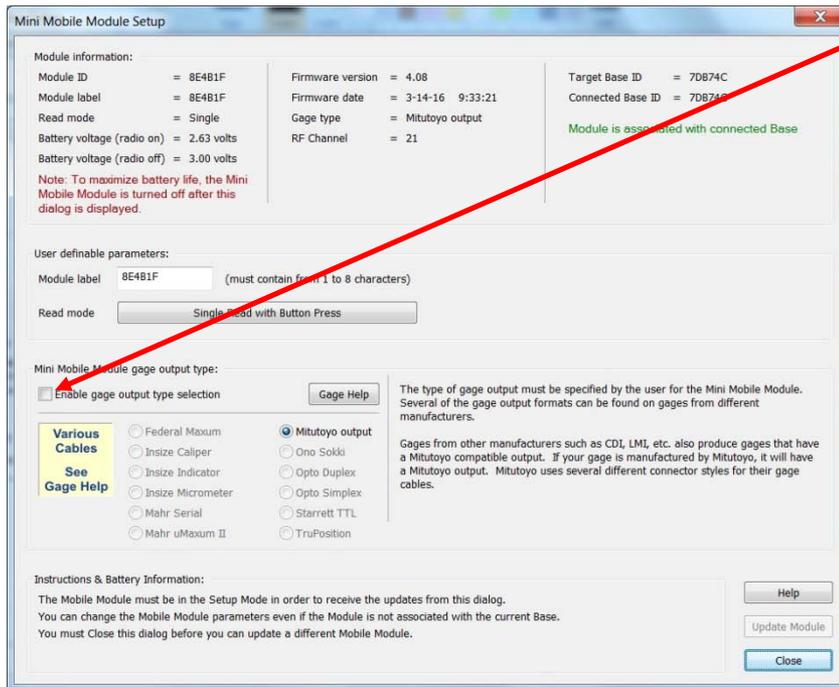
- Open Xpress Setup and click on the “Find Base” button
 - The Mobile Module must be associated with the Base unit before moving to the next step
- Click on the “Setup Module” button.
 - Repeat the Mobile Module association button sequence to open the Module Setup window.

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Activate Gage Selection



- Click in the “Enable gage output type selection” box
- A warning box will appear asking if you are sure you want to change the gage type
 - Click “YES” to proceed

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Select Gage Type

Mini Mobile Module Setup

Module information:

Module ID	= 175085	Firmware version	= 3.16	Target Base ID	= 7DB74C
Module label	= Caliper	Firmware date	= 8-26-14 8:00:00	Connected Base ID	= 7DB74C
Read mode	= Single	Gage type	= Mitutoyo output	Module is associated with connected Base	
Battery voltage (radio on)	= 2.77 volts	RF Channel	= 21		
Battery voltage (radio off)	= 3.15 volts				

Note: To maximize battery life, the Mini Mobile Module is turned off after this dialog is displayed.

User definable parameters:

Module label: (must contain from 1 to 8 characters)

Read mode:

Mini Mobile Module gage output type:

Enable gage output type selection

Various Cables See Gage Help

Federal Maxum Opto Duplex

Mahr Serial Opto Simplex

Mahr uMaxum II Starrett TTL

Mitutoyo output TruPosition

The type of gage output must be specified by the user for the Mini Mobile Module. Several of the gage output formats can be found on gages from different manufacturers.

Gages from other manufacturers such as CDI, LMI, etc. also produce gages that have a Mitutoyo compatible output. If your gage is manufactured by Mitutoyo, it will have a Mitutoyo output. Mitutoyo uses several different connector styles for their gage cables.

Instructions & Battery Information:

The Mobile Module must be in the Setup Mode in order to receive the updates from this dialog. You can change the Mobile Module parameters even if the Module is not associated with the current Base. You must Close this dialog before you can update a different Mobile Module.

- Select the proper brand in the Gage Output Type area
- Click the “Update Module” button
 - If an error message appears, repeat the Mobile Module association button sequence and then quickly click the “Update Module” button

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Process Completed

Mini Mobile Module Setup

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Note: To maximize battery life, the Mini Mobile Module is turned off after this dialog is displayed.

User definable parameters:

Module label: (must contain from 1 to 8 characters)

Read mode:

Mini Mobile Module gage output type:

Enable gage output type selection

Various Cables
See Gage Help

<input type="radio"/> Federal Maxum	<input type="radio"/> Opto Duplex
<input type="radio"/> Mahr Serial	<input type="radio"/> Opto Simplex
<input type="radio"/> Mahr uMaxum II	<input type="radio"/> Starrett TTL
<input checked="" type="radio"/> Mitutoyo output	<input type="radio"/> TruPosition
<input type="radio"/> Ono Sokki	

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Instructions & Battery Information:

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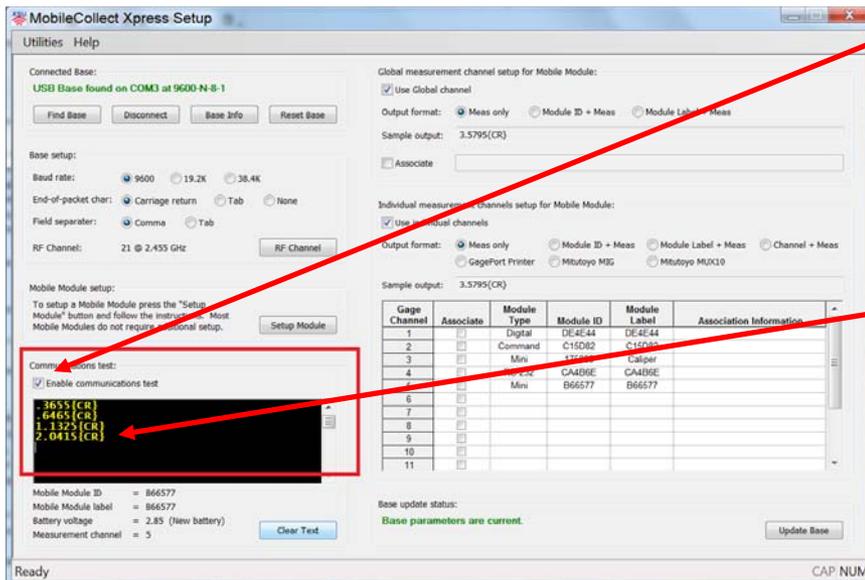
- The message “*Parameter transfer to the Mobile Module was successful*” will appear once the update process is completed
- Click on the “Close” button once Module has been updated.
 - This will return you to the Main Screen in Xpress Setup

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Test New Cable



- Click in the “Enable Communications Test” box.
- Place your cursor in the test window (black box).
- Connect the Mobile Module cable to your gage and take a reading.
 - If the gage reading appears in the test window, you’ve successfully completed the process.

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