



Mini Mobile Module – Send Custom Module Label

APPLICABLE DEVICES
MINI MOBILE MODULE

Contents

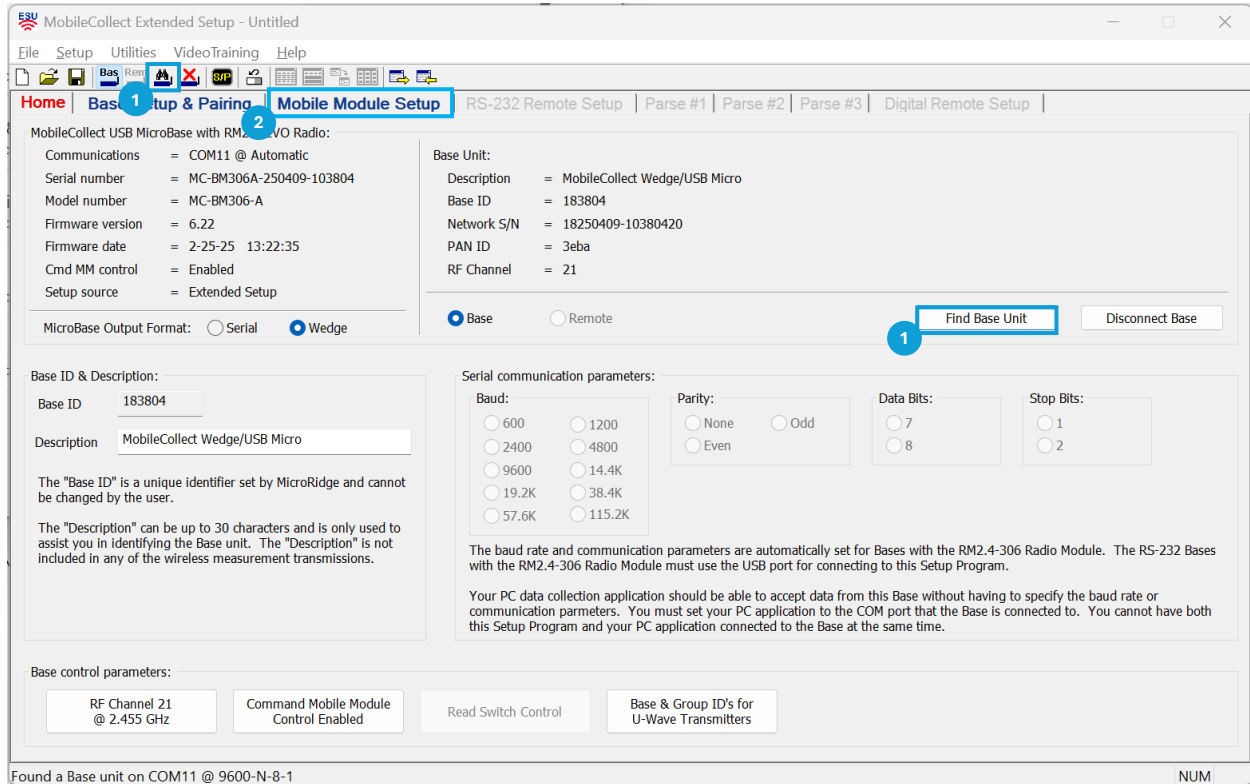
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The Mini Mobile Module can send the Module Label instead of a gage reading via the “Transmit Module Label” Feature. Up to an 8 character Module Label (Basic ASCII) can be sent instead of a measurement. This function is useful for SPC systems that require a non-numeric data point such as "Pass", "Fail", "Good", "Bad" etc. The ASCII output will follow the output format of data as set by the base, including the EOP character.

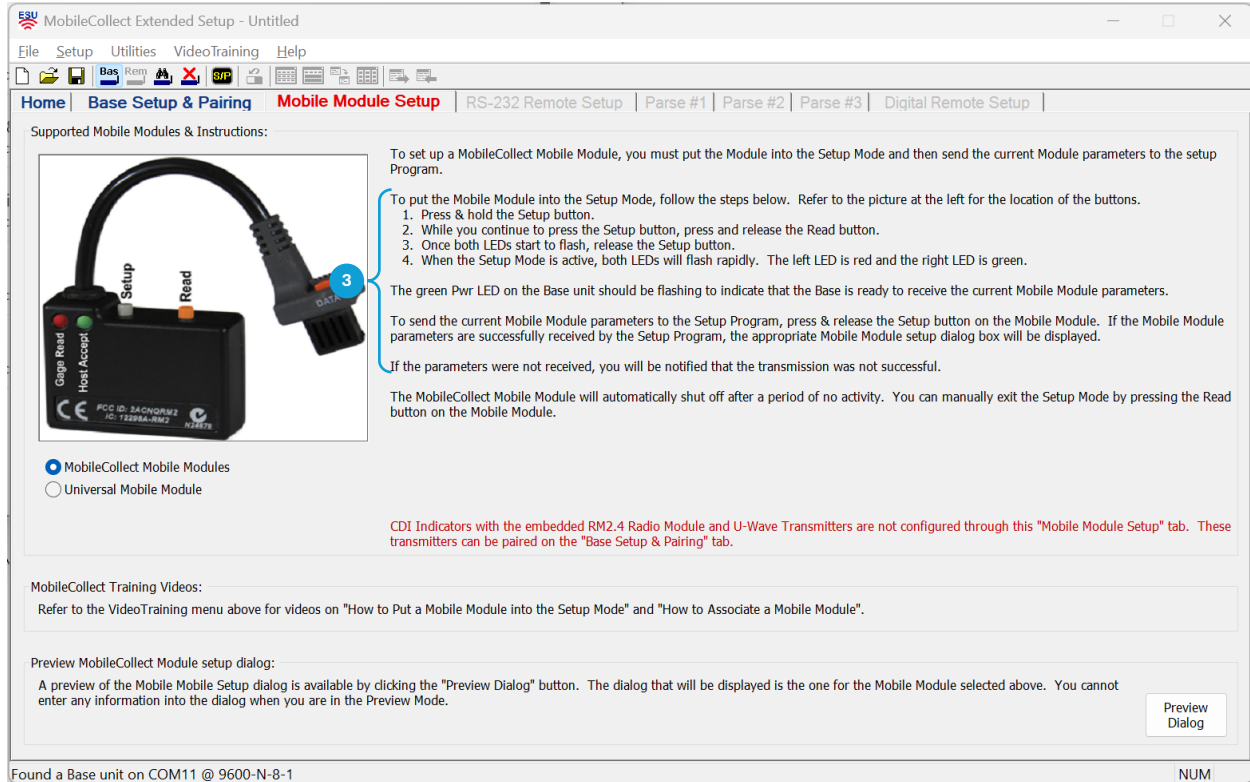
Carriage Returns, Tabs, and Spaces can also be send via the Transmit Label Field Gage Type. This is useful for Keyboard Wedge applications that require additional user input to advance to the next data field or screen by utilizing Enter and Tab keys.

1. Configuring Output in Extended Setup Program

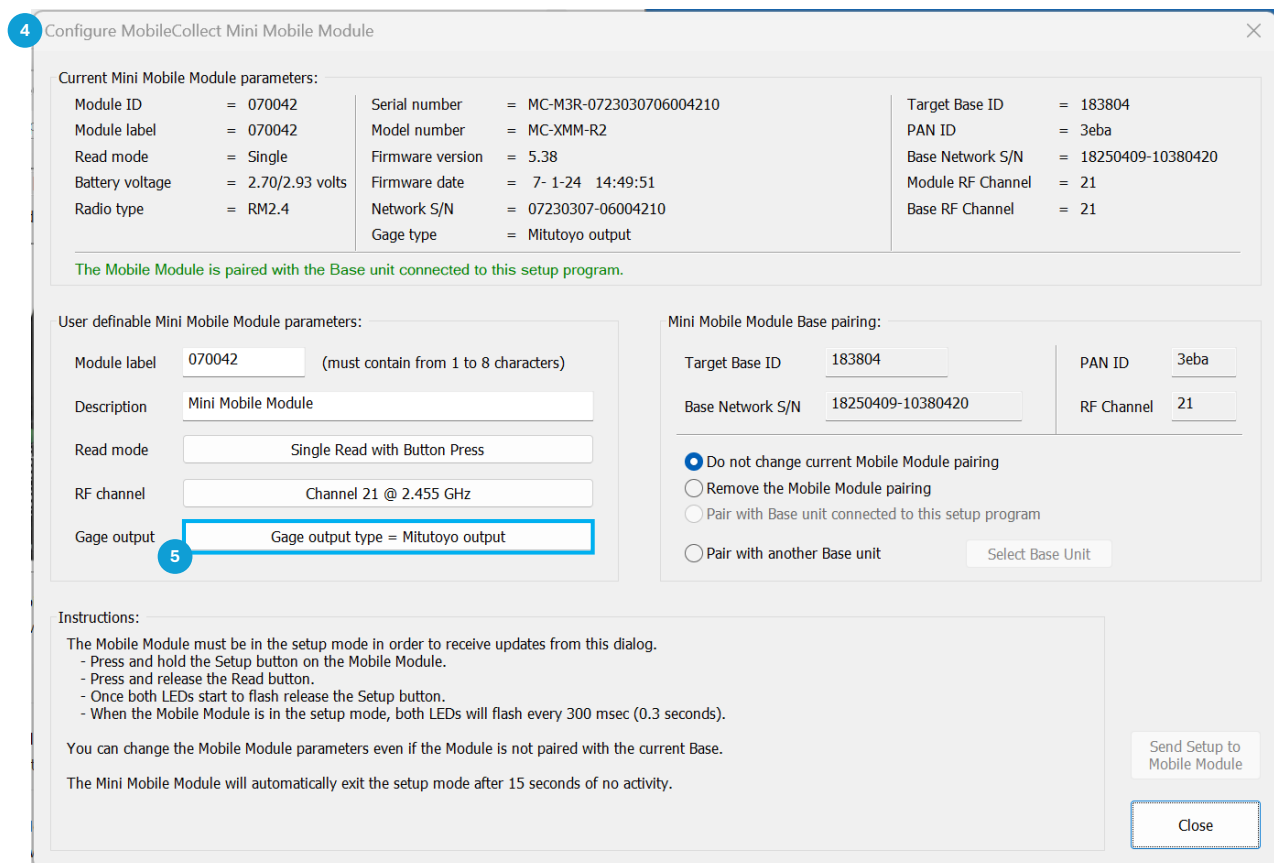
1. Open MobileCollect Extended Setup software and find the base.
2. Click on the Mobile Module Setup tab



3. Follow the procedure shown in the window to put the Mobile Module in "Setup Mode". Once in setup mode, press the setup button again.



4. The "Configure MobileCollect Mobile Module" Window will appear.
5. Press the "Gage output type" button to open the Gage Type Window.



6. Enable the Gage output type selection and click “Yes” on the info window to confirm a change in output is desired.
7. Select the “Transmit Label Field” Type. Note that your Mini Mobile Module Firmware must be version 5.34 or later.
8. Click “OK” to confirm settings

Mini Mobile Module Gage Type

Mini Mobile Module gage output type:

☒ Enable gage output type selection

Send Module Label to Base

☐ Federal Maxum ☐ Mahr Pocket Surf 1 & 10 ☐ Opto Simplex

☐ Insize Caliper ☐ Mahr Serial ☐ Starrett TTL

☐ Insize Indicator ☐ Mahr uMaxum II ☐ TruPosition

☐ Insize 2-Button Micrometer ☐ Mitutoyo output

☐ Insize 3-Button Micrometer ☐ Ono Sokki ☐ Remote Read Switch

☐ Mahr Pocket Surf IV ☐ Opto Duplex ☒ Transmit Label Field

Instructions:

The gage output type must be specified by the user for the Mini Mobile Module.

This gage type does not use a physical gage, but rather sends the Module Label string to the Base. The Module Label is treated like a measurement by the Base and then sent to your PC application. Select this gage type when you want to send a predefined text string to your application software.

This gage type requires Mobile Module firmware version 5.34 or later.

Gage Help OK Cancel

1.1. ASCII Text output in Extended Setup

9. Back in the “Configure MobileCollect Mini Mobile Module” menu, change the “Module Label” to the desired ASCII output.
10. Ensure the Mini Mobile Module is in Setup Mode and click the “Send Setup to Mobile Module” Button to update the Mini Mobile Module. The Mini Mobile Module will now output the text in the “Module Label” field instead of a measurement. The Mini Mobile Module does not need to be connected to a gage or have a gage connector installed.

Configure MobileCollect Mini Mobile Module

Current Mini Mobile Module parameters:

Module ID = 070042	Serial number = MC-M3R-0723030706004210	Target Base ID = 183804
Module label = Goodl**	Model number = MC-XMM-R2	PAN ID = 3eba
Read mode = Single	Firmware version = 5.38	Base Network S/N = 18250409-10380420
Battery voltage = 2.63/2.93 volts	Firmware date = 7- 1-24 14:49:51	Module RF Channel = 21
Radio type = RM2.4	Network S/N = 07230307-06004210	Base RF Channel = 21
	Gage type = Transmit Label Field to Base	

The Mobile Module is paired with the Base unit connected to this setup program.

User definable Mini Mobile Module parameters:

Module label	Goodl** (must contain from 1 to 8 characters)
Description	Mini Mobile Module
Read mode	Single Read with Button Press
RF channel	Channel 21 @ 2.455 GHz
Gage output	Gage output type = Transmit Label Field

Mini Mobile Module Base pairing:

Target Base ID	183804	PAN ID	3eba
Base Network S/N	18250409-10380420	RF Channel	21

☒ Do not change current Mobile Module pairing
☐ Remove the Mobile Module pairing
☐ Pair with Base unit connected to this setup program
☐ Pair with another Base unit Select Base Unit

Instructions:

The Mobile Module must be in the setup mode in order to receive updates from this dialog.

- Press and hold the Setup button on the Mobile Module.
- Press and release the Read button.
- Once both LEDs start to flash release the Setup button.
- When the Mobile Module is in the setup mode, both LEDs will flash every 300 msec (0.3 seconds).

You can change the Mobile Module parameters even if the Module is not paired with the current Base.

The Mini Mobile Module will automatically exit the setup mode after 15 seconds of no activity.

Send Setup to Mobile Module
Close

1.2. Special Character output in Extended Setup

This feature requires an EVO Series Base Receiver.

Carriage Returns, Tabs, and Spaces can also be send via the Transmit Label Field Gage Type. To program a Transmit Label Field Gage to send {CR}, {TAB}, or space, enter their respective characters in a set of braces/curly brackets { }. **6 characters must be entered in between the braces, { },** for this function to operate. Utilize a . (period) as a filler character. C, T, or S must be the first character after the opening brace. For repeat characters, enter the representative character the desired amount. If the format is not followed, then whatever is typed in the Module Label field will be send as a text packet.

Character for Carriage Return:	C
Character for Tab:	T
Character for Space:	S
Character for filler:	. (period)

- Back in the “Configure MobileCollect Mini Mobile Module” menu, change the “Module Label” to the desired Special Character packet. The packet below would output 1 {Tab}, 1 space, and then 2 {CR}.
- Ensure the Mini Mobile Module is in Setup Mode and click the “Send Setup to Mobile Module” Button to update the Mini Mobile Module. The Mini Mobile Module will now output the text in the “Module Label” field instead of a measurement. The Mini Mobile Module does not need to be connected to a gage or have a gage connector installed.

Configure MobileCollect Mini Mobile Module

Current Mini Mobile Module parameters:

Module ID	=	070042	Serial number	=	MC-M3R-0723030706004210	Target Base ID	=	183804
Module label	=	{TSCC.}	Model number	=	MC-XMM-R2	PAN ID	=	3eba
Read mode	=	Single	Firmware version	=	5.38	Base Network S/N	=	18250409-10380420
Battery voltage	=	2.63/2.93 volts	Firmware date	=	7- 1-24 14:49:51	Module RF Channel	=	21
Radio type	=	RM2.4	Network S/N	=	07230307-06004210	Base RF Channel	=	21
			Gage type	=	Transmit Label Field to Base			

The Mobile Module is paired with the Base unit connected to this setup program.

User definable Mini Mobile Module parameters:

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Module label

{TSCC.}

(must contain from 1 to 8 characters)

Description

Mini Mobile Module

Read mode

Single Read with Button Press

RF channel

Channel 21 @ 2.455 GHz

Gage output

Gage output type = Transmit Label Field

Mini Mobile Module Base pairing:

Target Base ID

183804

PAN ID

3eba

Base Network S/N

18250409-10380420

RF Channel

21

☒ Do not change current Mobile Module pairing

☐ Remove the Mobile Module pairing

☐ Pair with Base unit connected to this setup program

☐ Pair with another Base unit

Select Base Unit

Instructions:

The Mobile Module must be in the setup mode in order to receive updates from this dialog.

- Press and hold the Setup button on the Mobile Module.
- Press and release the Read button.
- Once both LEDs start to flash release the Setup button.
- When the Mobile Module is in the setup mode, both LEDs will flash every 300 msec (0.3 seconds).

You can change the Mobile Module parameters even if the Module is not paired with the current Base.

The Mini Mobile Module will automatically exit the setup mode after 15 seconds of no activity.

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Send Setup to Mobile Module

Close

2. Configuring Output in Xpress Setup Program

1. Open MobileCollect Xpress Setup software and find the base.
2. Click on the “Setup MobileCollect” Button

3. Follow the procedure shown in the window to put the Mobile Module in “Setup Mode”. Once in setup mode, press the setup button again.

4. The “Mobile Module Setup” Window will appear.

5. Enable the Gage output type selection and click “Yes” on the info window to confirm a change in output is desired.
6. Select the “Transmit Label Field” Type. Note that your Mini Mobile Module Firmware must be version 5.34 or later.

Mini Mobile Module Setup

Module Information:

Module ID	= 070042	Firmware version	= 5.38	Target Base ID	= 183804
Module label	= 070042	Firmware date	= 7- 1-24 14:49:51	Connected Base ID	= 183804
Read mode	= Single	Gage type	= Transmit Label Field		
Battery voltage (radio on)	= 2.62 volts	RF Channel	= 21		
Battery voltage (radio off)	= 2.92 volts				

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

Module is paired with connected Base

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 Gage Help

Send Module Label to Base

☐ Federal Maxum ☐ Mahr Pocket Surf 1 & 10 ☐ Opto Simplex

☐ Insize Caliper ☐ Mahr Serial ☐ Starrett TTL

☐ Insize Indicator ☐ Mahr uMaxum II ☐ TruPosition

☐ Insize 2-Button Micrometer ☐ Mitutoyo output

☐ Insize 3-Button Micrometer ☐ Ono Sokki ☐ Remote Read Switch

☐ Mahr Pocket Surf IV ☐ Opto Duplex ☒ Transmit Label Field

The gage output type must be specified by the user for the Mini Mobile Module.

This gage type does not use a physical gage, but rather sends the Module Label string to the Base. The Module Label is treated like a measurement by the Base and then sent to your PC application. Select this gage type when you want to send a predefined text string to your application software.

This gage type requires Mobile Module firmware version 5.34 or later.

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 paired with the current Base.
You must Close this dialog before you can update a different Mobile Module.

Help
Update Module
Close

2.1. ASCII Text output in Xpress Setup

7. Change the “Module Label” to the desired ASCII output.
8. Ensure the Mini Mobile Module is in Setup Mode and click the “Update Module” Button to update the Mini Mobile Module. The Mini Mobile Module will now output the text in the “Module Label” field instead of a measurement. The Mini Mobile Module does not need to be connected to a gage or have a gage connector installed.

2.2. Special Character output in Xpress Setup

This feature requires an EVO Series Base Receiver.

Carriage Returns, Tabs, and Spaces can also be send via the Transmit Label Field Gage Type. To program a Transmit Label Field Gage to send {CR}, {TAB}, or space, enter their respective characters in a set of braces/curly brackets { }. **6 characters must be entered in between the braces, { },** for this function to operate. Utilize a . (period) as a filler character. C, T, or S must be the first character after the opening brace. For repeat characters, enter the representative character the desired amount. If the format is not followed, then whatever is typed in the Module Label field will be send as a text packet.

Character for Carriage Return: C
Character for Tab: T
Character for Space: S
Character for filler: . (period)

9. Change the “Module Label” to the desired Special Character packet. The packet below would output 1 {CR} then 1 {Tab}.
10. Ensure the Mini Mobile Module is in Setup Mode and click the “Send Setup to Mobile Module” Button to update the Mini Mobile Module. The Mini Mobile Module will now output the text in the “Module Label” field instead of a measurement. The Mini Mobile Module does not need to be connected to a gage or have a gage connector installed.

Mini Mobile Module Setup

Module Information:

Module ID = 070042

Module label = 070042

Read mode = Single

Battery voltage (radio on) = 2.62 volts

Battery voltage (radio off) = 2.92 volts

Firmware version = 5.38

Firmware date = 7-1-24 14:49:51

Gage type = Transmit Label Field

RF Channel = 21

Target Base ID = 183804

Connected Base ID = 183804

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

Module is paired with connected Base

User definable parameters:

Module label {CT....} (must contain from 1 to 8 characters)

Read mode Single Read with Button Press

Mini Mobile Module gage output type:

☒ Enable gage output type selection

Gage Help

Send Module Label to Base

☐ Federal Maxum

☐ Insize Caliper

☐ Insize Indicator

☐ Insize 2-Button Micrometer

☐ Insize 3-Button Micrometer

☐ Mahr Pocket Surf IV

☐ Mahr Pocket Surf 1 & 10

☐ Mahr Serial

☐ Mahr uMaxum II

☐ Mitutoyo output

☐ Ono Sokki

☐ Opto Duplex

☐ Opto Simplex

☐ Starrett TTL

☐ TruPosition

☐ Remote Read Switch

☒ Transmit Label Field

The gage output type must be specified by the user for the Mini Mobile Module.

This gage type does not use a physical gage, but rather sends the Module Label string to the Base. The Module Label is treated like a measurement by the Base and then sent to your PC application. Select this gage type when you want to send a predefined text string to your application software.

This gage type requires Mobile Module firmware version 5.34 or later.

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 paired with the current Base.

You must Close this dialog before you can update a different Mobile Module.

Help

Update Module

Close

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