# MobileCollect Wireless Base Receivers

# Overview

- The Base receiver is the core of a MobileCollect Wireless installation

- Base receivers accept the values sent from paired transmitters and forward them to the data collection application in the required format

- Compatible with:
  - All MobileCollect transmitter models
  - LMI wireless gages
  - Chicago Dial Core and VRS "Long-Range" indicators
  - Mitutoyo UWave-T, TM, and TC transmitter models

# Receiver Models

- Four models:
  - USB Base
  - USB MicroBase
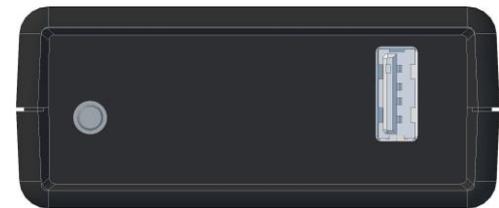  - RS-232 Base
  - Wedge Base

# USB Base

## Features

- Most popular model
- USB serial connection to PC
  - Connection powers the receiver
- Compatible with all transmitter models
- External switch input
  - See slide on this feature

## Use with:

- PC-based commercial data collection programs – Windows OS
- Spreadsheets, databases, statistical, and web-based programs
  - Requires free WedgeLink Xpress software

**Input for external switch**

**Reset Button**

**USB serial output**

# USB MicroBase

## Features

- Mobile version of USB Base
- USB serial connection to PC
  - Connection powers the receiver
- Plugs directly into USB port
- Compatible with all transmitter models

## Use with:

- PC-based commercial data collection programs – Windows OS
- Spreadsheets, databases, statistical, and web-based programs
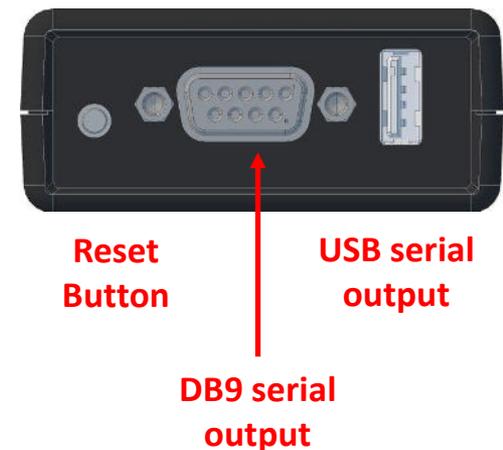  - Requires free WedgeLink Xpress software



20.10 mm

45.47 mm

# RS-232 Base



## Features

- DB9 serial and USB serial outputs
  - DB9 output – data transfer only
  - USB output – data transfer or AC power input
- Compatible with all transmitter models
- External switch input
  - See slide on this feature

**Input for external switch**

## Popular uses:

- Customer wanting USB and DB9 serial connection options
- Send data to PLC with RS-232 input

**Reset Button**

**USB serial output**

**DB9 serial output**

# Wedge Base

## Features

- USB serial and USB keyboard wedge outputs
  - Powered by USB connection to PC
- Compatible with all transmitter models
- External switch input
  - See slide on this feature

## Use with:

- Spreadsheets, databases, statistical, and web-based programs
  - USB keyboard wedge port eliminates need for WedgeLink Xpress program



Input for external switch



Reset Button

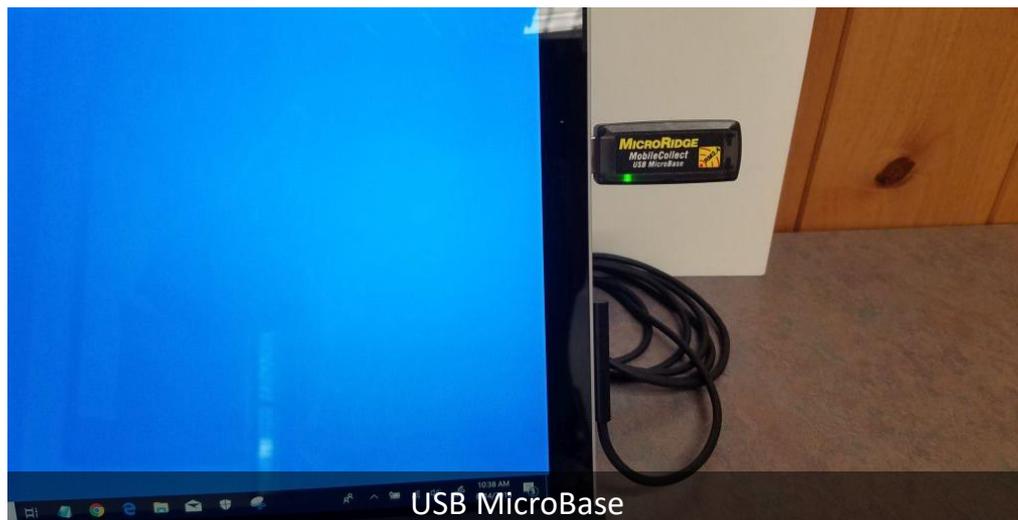USB serial output

USB keyboard wedge output

# Compare Models

| | USB Base | USB MicroBase | RS-232/USB Base | Wedge/USB Base |
|---|---|---|---|---|
| USB Serial Connection | ✔ | ✔ | ✔ | ✔ |
| RS-232 Serial connection | | | ✔ | |
| USB keyboard wedge connection | | | | ✔ |
| Powered by USB computer connection | ✔ | ✔ | AC power | ✔ |
| Compatible with all transmitter models | ✔ | ✔ | ✔ | ✔ |
| Foot / Hand Switch input | ✔ | | ✔ | ✔ |
| Reset button | ✔ | | ✔ | ✔ |
| Unit Price | Contact MicroRidge for current unit pricing | | | |

# Connected Images


Wedge/USB Base


USB MicroBase

# External Switch

- Compatible with three receiver models:
  - USB Base / RS-232 Base / Wedge Base
  - Single-input standard
  - 3-input option (additional cost)

- Compatible with three transmitter models:
  - Command Mobile Module
  - RS-232 Remote
  - Digital Remote

- Discuss this feature with MicroRidge before ordering to fully understand the capabilities and limitations

# Keyboard Wedge

- A keyboard wedge solution is used to send gage data into programs not designed to accept input from external devices
  - Examples: spreadsheets, databases, statistical programs, & web applications

- Hardware and software wedge solutions are available
  - Correct solution depends upon your data collection needs

| | A | B | C | D | E |
|---|---|---|---|---|---|
| 1 | 0.126 | 0.1125 | 0.1185 | 0.1255 | |
| 2 | 0.1685 | 0.1125 | 0.119 | 0.139 | |
| 3 | 0.17 | 0.103 | 0.1305 | 0.1395 | |
| 4 | 0.17 | 0.1285 | 0.1385 | 0.1755 | |
| 5 | 0.143 | 0.1285 | 0.139 | 0.176 | |
| 6 | 0.087 | 0.114 | 0.139 | 0.198 | |
| 7 | 0.091 | 0.1135 | 0.125 | 0.2145 | |
| 8 | 0.111 | 0.1145 | 0.125 | 0.2155 | |
| 9 | | | | | |

# Wedge Options

- **Hardware**
  - Wedge Base
  - USB connection to PC
  - Transfer data without software
  - Plug & play solution
  - Invisible to operator

- **Software**
  - All other receiver models
  - WedgeLink Xpress program
    - included at no charge
  - Program must be open and activated to transfer data
  - More features than hardware wedge

# Select Receiver with the features you need

| | Data collection method | Stationary or mobile |
|---|---|---|
| | **Preferred connection** | USB serial, RS-232 serial, or USB keyboard wedge |
| | **Software program** | Accepts external data or needs keyboard wedge |
| | **Keyboard wedge** | Hardware wedge convenience or software wedge features |
| | **Remote data collection** | Software command or external switch |

# Common Features

| All MobileCollect Base receiver models: |
|---|
| • Are compatible with all MobileCollect transmitters |
| • Are compatible with UWave-T, TM, and TC transmitters |
| • Are compatible with CDI CORE & VRS "Long-Range" indicator models |
| • Are compatible with MobileCollect Xpress and Extended Setup programs |
| • Are compatible with software READ commands |
| • Offer all data output format options available in Setup programs |
| • Can pair with transmitters using "on-the-fly" method - no setup software |

# Contact MicroRidge

## Office Information

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