

## CodeXML Bluetooth® Modem Installation as a USB Keyboard

### Cable Installation

Attach the end of the USB cable to the CodeXML Bluetooth® Modem (Figure 2). Plug the USB connector into the USB port on the computer (Figure 3). Once connected the modem's blue LED light will turn on.



Figure 2

### Connecting with QuickConnect Code (for all cable types):

Scan the QuickConnect Code on the label of the CodeXML Bluetooth® Modem using the Code Reader with which you wish to establish a paired connection to a computer. The reader and computer should easily connect within 10 seconds. The reader will beep once as confirmation. If the reader does not connect, the reader will beep four times in rapid succession.



Figure 3

### Establish Mode

Scan the USB Mode code (M708\_01-right). Scan the QuickConnect Code again. You are ready to begin reading bar codes and transmitting decoded data to the computer.



USB Cable installed to CodeXML Bluetooth Modem

## CodeXML Modem Installation with RS-232 (Serial)

### Cable Installation

Attach the end of the RS-232 cable to the CodeXML Bluetooth® Modem (Figure 4). Connect the RS-232 adapter to the back of the computer (Figure 5). Connect the RS-232 cable to the power supply (Figure 6). Plug the power supply into a wall socket (Figure 7). Once connected the Modem's blue LED light will turn on.



Figure 4



Figure 5



Figure 6



Figure 7

### Connecting with QuickConnect Code

See Page 2 for instructions to establish a paired connection between the Modem and the reader.

### Establish Mode

Scan the RS-232 Mode code (M661\_01- right). Scan the QuickConnect Code again. You are ready to begin reading bar codes and transmitting decoded data to a computer.



RS-232 Cable (Left)  
CodeXML Bluetooth Modem  
(Center) Power Supply  
(Right)

## CodeXML Modem Installatin with PS/2 Cable

### Cable Installation

Attach the end of the PS/2 cable with the single connector to the CodeXML Modem (Figure 2 -page 2). Detach the keyboard from the computer and connect it to the same type connector on the PS/2 cable (Figure 8). Connect the other cable end to the computer (Figure 9). The modem is powered by the PS2 port and does not require a power supply. Once connected the modem's blue LED light will turn on.



PS/2 Cable installed to CodeXML Modem & Keyboard



Figure 9

### Connecting with QuickConnect Code

See instructions on page 2 for establishing a paired connection between the modem and the computer.

### Establish Mode

Scan the PS2 Mode code (M660\_01-right). You are ready to begin reading bar codes and transmitting decoded data

#### PS2 Mode



Figure 9

## Keyboard Input (USB & PS2)

The modem is defaulted to English language keyboards. If you need to communicate in a different language requiring a change in keyboard settings, please scan the appropriate code below, after connecting to the modem:

#### English (Default)



M590\_01

#### Universal



M591\_01

#### French



M594\_01

#### German



M595\_01

#### Japanese



M596\_01

#### Non-printable ASCII Keyboard (No Leading 0)



M593\_01

#### Non-printable ASCII Keyboard (Ctrl + character)



M597\_01

## Change Baud Rate Settings:

Scan the appropriate code below, after connecting to the modem **Note:** These codes only affect Baud Rate for the modem and do not affect any settings on Code Readers.

#### 1200



M313\_01

#### 2400



M314\_01

#### 4800



M315\_01

#### 9600 (Default)



M316\_01

#### 19200



M317\_01

#### 38400



M318\_01

#### 57600



M319\_01


#### 115200



M320\_01

**Default Modem settings:**  
Baud Rate: 9600  
Stop Bits: 8  
Parity: None  
Stop Bits: 1  
Hardware: None

## Modem Firmware Version Output & Values (for reference only):

	VVVVvvvvCKP BaudString:	
For All Readers: Scan to View Firmware Version	VVVV	4 digit firmware version (MSP430 firmware version)
	vvvv	4 digit firmware version (TUSB firmware version)
 M321_01	C	1 digit comm mode: 0=PS/2, 1=Serial, 2=Wand Emul., 3=USB KBD
	K	Keyboard Map, same as reader host ICD setting 0x2d
	P	1 digit packet protocol: 0=Raw, 1=SPX packet, 2=Code Reader packet 4=Encrypted Packet Format, 5= Protocol Version (AES)
	E	Pre-emptible Mode 1=enabled, 0=off/disabled
	BaudString	spx: Baud:DataBitsParityStopbits

## CodeXML M2 Bluetooth® Modem

### Important Note:

The radio contained in the CodeXML M2 Bluetooth® Modem has been tested for compliance with FCC and CE regulations and was found to be compliant with all applicable FCC Rules and Regulations.

FCC ID#: QQ6-BTR02

Model #: BTHDG-M2-RO-CX

The radio has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Any changes made by the user not approved by Code Corporation can void the user's authority to operate the equipment.

To satisfy FCC RF exposure requirements for mobile transmitting devices, a separation of 20 cm or more should be maintained between the antenna of this device and persons during device operation. To ensure compliance, operations at closer than this distance are not recommended. The antenna used for this transmitter must not be co-located in conjunction with any other antenna or transmitter.

US Patent: US 7,240,831, Patents Pending.

## CodeXML M2 Bluetooth® Modem - Multiple Interface Unit (MIU)

The CodeXML MIU Modem is an external PC accessory designed to be connected to a computer for use with a Code Reader (CR2 or CR3). The Modem enables a reader to wirelessly transmit captured data to the computer. The Modem can accommodate USB, RS-232 (Serial) and PS/2 cables (Figure 1).

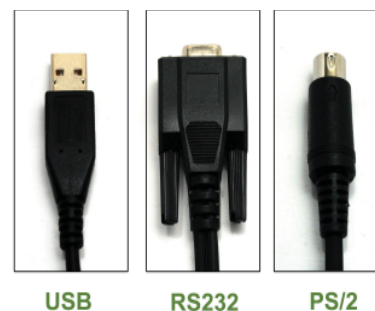


Figure 1



CodeXML Modem MIU

The CodeXML MIU Modem is 'plug & play.' You simply plug-in the Modem, scan the QuickConnect code on the Modem Label and start transmitting data from Code Readers without downloading any drivers or software. The Modem can receive Bluetooth signals from up to 300 feet (100 meters) away.

For assistance, contact Code Technical Support at: 801 495 2200; or by email: [support@codecorp.com](mailto:support@codecorp.com)

