BioLink

Bluetooth Wireless Communications

The BioLink Bluetooth is a "plug-and-play" product for easy wireless connections between multiple devices. Simply connect one BioLink Bluetooth to your Research International air sampler or bioidentifier, a second BioLink to your desktop PC or laptop, and you have instant two-way communications.

BioLink data radios for connecting one Research International instrument to a USB-equipped computer. P/N 7000-0003-03

The BioLink Bluetooth device draws all of its operating power from the RS-232 data interface on Research International samplers and detection instruments, and has all radio functions built in. When connected to a personal computer, it is powered from any USB port directly, or via a supplied USB cable if an RS-232 connector-equipped BioLink model is used at the PC.

FEATURES

- No bulky cables to fail
- Instruments are fully mobile
- Rapid system setup
- Easy system reconfiguration
- Lower installed system costs

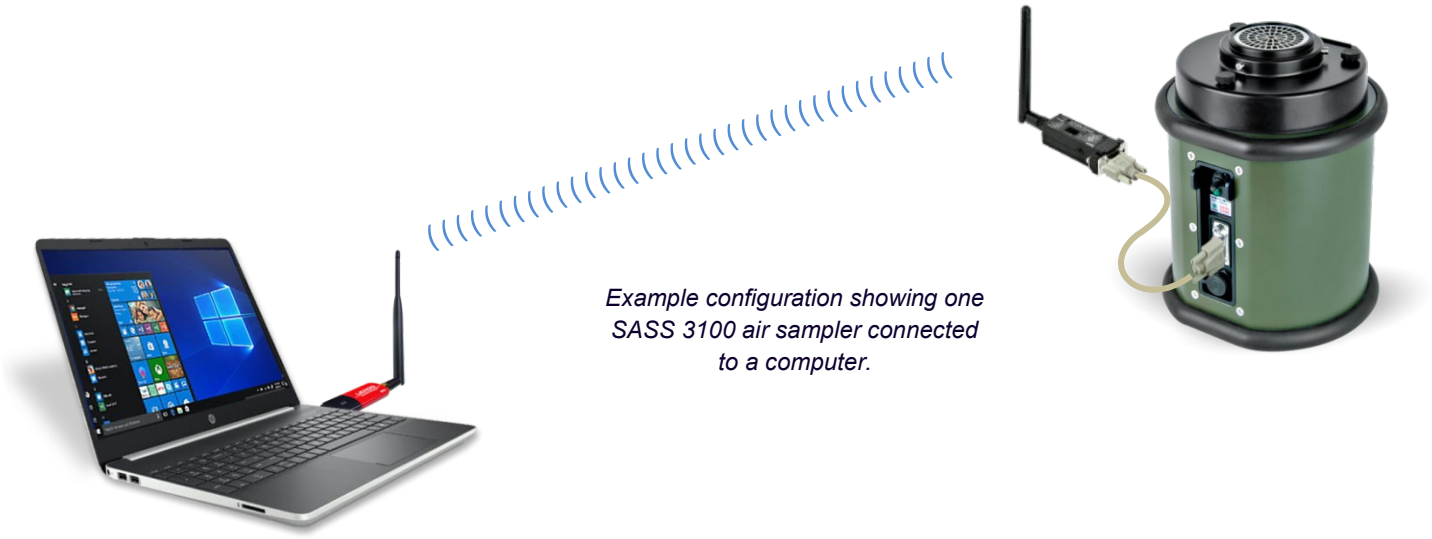
Each device has a pairing button and LED that provides a quick and easy method for establishing a trusted device Bluetooth connection without the need for a PC. A four position dip switch sets the baud rate and enables or disables hardware handshaking. In a few minutes the wireless connection setup is complete.

The BioLink Bluetooth is a Class 1 device with an open field range of 400 meters (1300 feet) with the supplied antennas. A range of 1,000 meters is possible with an optional antenna.

For full technical information, visit www.resrchintl.com.

The +9dBi patch antenna extends range up to 1,000 meters. P/N 1100-0016-09

BioLink Bluetooth Radio Specifications	
Characteristic	**Description**
Bluetooth specification:	Bluetooth v2.0 + EDR
Max data transfer rate:	3 MBPS with USB style 921.6 MBPS with RS-232 style
Working distance:	+1dBi Dipole Antenna (100 meter range) +5dBi Dipole Antenna (400 meter range) +9dBi Patch Antenna with separate cable connection (1,000 meter range)
Operating temperature:	-20°C to 70°C
Storage temperature:	-40°C to 85°C
Humidity:	90% non-condensing
Size:	Serial Radio: 76 x 31 x 16 mm USB Radio: 72 x 22 x 10 mm
Computer OS support (USB only):	Windows® operating systems
Approvals:	RS-232: CE, FCC, TELEC, MIC USB: CE, FCC, TELEC, KCC, Bluetooth SIG



Example configuration showing one SASS 3100 air sampler connected to a computer.

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