

Adam Connect

Bluetooth Modules

BTM-01 BTM-02 BTM-03

USER MANUAL



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WARNING:



Please read carefully following instructions for installation and use before starting your work with a new balance. Failure to use the balance in accordance with the advice in the user manual could mean that the product gives incorrect readings.

Overview

Modules available

Adam Connect consists of three separate Bluetooth modules:

BTM-01: Bluetooth Sender Module for balances & scales. Connects to the RS-232 output on an Adam Equipment scale or balance.

BTM-02: Bluetooth Receiver Module for PCs. Connects to the USB port on your PC. Compatible with AdamDU Data Collection Programme, allowing you to send weight data from your scale or balance to the software, wirelessly, to analyse, record and share.

BTM-03: Bluetooth Receiver Module for the Adam Equipment ATP2 Thermal Printer. Connects to the ATP2 via the printer's RS-232 port.

Purpose

Adam Connect allows a user to send data directly from the scale or balance to a printer or PC, wirelessly, using Bluetooth. Weight, count, date and time information can all be sent via Adam Connect.

Compatible scales and balances

Adam Connect works with any Adam Equipment scale or balance that has the required interface. On Adam Equipment's website and in the Adam Equipment catalogue, compatible models will feature this logo:



Note: A USB-C cable may be required for charging purposes in some instances. Please consult your local Adam Equipment representative or Adam Equipment direct if you need further advice or guidance.

BTM-01

Bluetooth Sender Module for Balances & Scales, RS-232 to Bluetooth

Note on Pairing

If purchased individually and not with BTM-02 or BTM-03, the device is supplied unpaired. To pair your BTM-01 with a BTM-02 or BTM-3 unit, please see the section **Pairing Bluetooth Modules**. If your BTM-01 module has been purchased with BTM-02 or BTM-03, it will pair automatically once switched on.

Getting Started

1. Plug BTM-01 into the RS-232 socket on your Adam scale or balance.
2. With more recent (2025 onwards) Adam products, power for BTM-01 will be provided by the scale or balance itself, via the RS-232 port. For older production scales or balances, external power will be required. There is a USB-C slot in your BTM-01 which can be used to power the module.
3. The BTM-01 module baud rate is set at 4800. Ensure your scale or balance is set to the same baud rate (see the instructions for your scale or balance for more information).
4. Press the power button in the circle at the Bluetooth antenna for three seconds to power-on the BTM-01 module.
5. To power-off the BTM-01 module when it is not connected to another Bluetooth device, press the power button on the BRM-01 module for three seconds. To power-off the BTM-01 module when connected to another Bluetooth device, press the power button for three seconds, release the button, then press shortly and release.

Note: BTM-01 can only connect to one other Bluetooth device at a time.

BTM-02

Bluetooth Receiver Module for PCs

Note on Pairing

If purchased individually and not with BTM-01, BTM-02 is supplied unpaired. To pair your BTM-02 with a BTM-01 Sender, please see the section **Pairing Bluetooth Modules**. If your BTM-02 module has been purchased with BTM-01, it will pair automatically once switched on.

Getting Started

1. Plug BTM-02 into your PC's USB port; it will automatically connect to your BTM-01 Sender if paired.
2. After plugging BTM-02 into your PC, the computer will automatically add a serial port number.
3. Open AdamDU, select the serial port number, and set the baud rate to 4800 to run AdamDU.

Note: For some PCs, the CH340 Driver may be required.

BTM-03

Bluetooth Receiver Module for the ATP2 Thermal Printer

Note on Pairing

If purchased individually and not with BTM-01, BTM-03 is supplied unpaired. To pair your BTM-03 with a BTM-01 Sender, please see the section **Pairing Bluetooth Modules**. If your BTM-03 module has been purchased with BTM-01, it will pair automatically once switched on.

Getting Started

1. Plug BTM-03 into your Adam Equipment ATP2 Thermal Printer's RS-232 port.
2. Press the button in the circle at the Bluetooth antenna for three seconds to power-on. BTM-03 will automatically connect to your BTM-01 Sender if paired.
3. To power-off the BTM-03 module when it is not connected to another Bluetooth device, press the power button on the BRM-03 module for three seconds. To power-off the BTM-03 module when connected to another Bluetooth device, press the power button for three seconds, release the button, then press shortly and release.

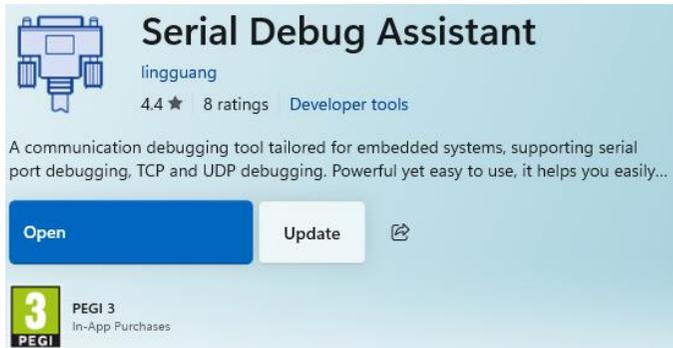
Note: When BTM-03 is connected to the printer but there is no connection to BTM-01, the printer will prompt a connection reminder.

Pairing Bluetooth Modules

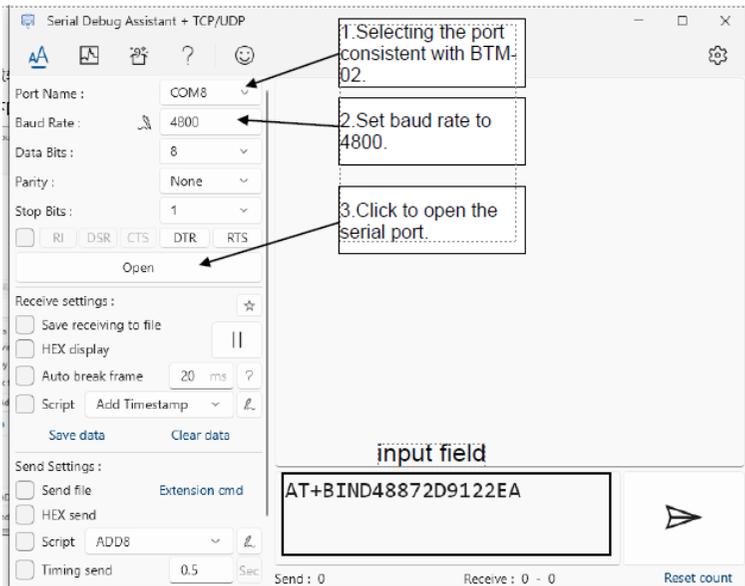
If Bluetooth devices have been paired before delivery, it is not necessary to pair them again. If the products are not paired - for example, if BTM-01, BTM-02 or BTM-03 have been purchased separately - they will need to be paired according to the following steps:

Pairing of BTM-01 Bluetooth Sender Module and BTM-02 Bluetooth Receiver Module for PCs

1. Plug the BTM-02 Module into the USB port of your PC.
2. BTM-02's red light will begin flashing.
If the red light is always on, this indicates that BTM-02 is connected to another Bluetooth device. Turn off the other Bluetooth device or select disconnect.
3. Open Microsoft's Serial Debug Assistant, which is free to download from the Microsoft Store.



4. Select the COM port consistent with BTM-02. Set baud rate to 4800.
5. Click to open the serial port.



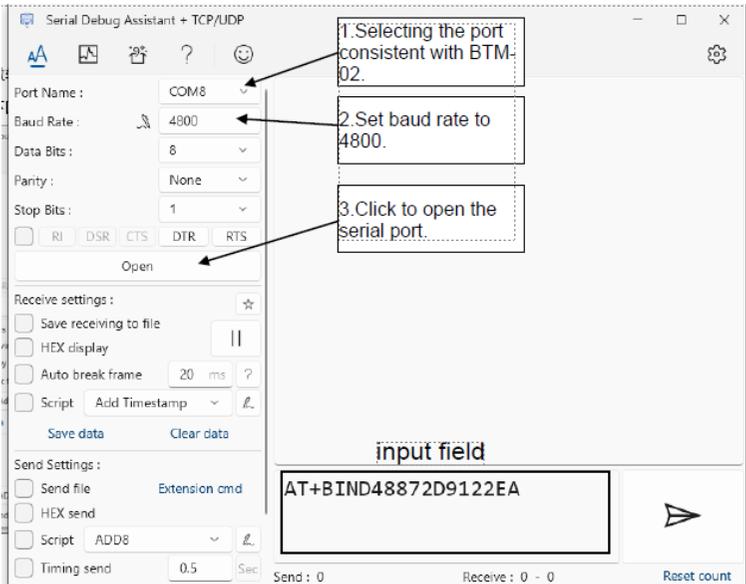
6. In the Input field add AT+BIND followed by the serial number on your BTM-01 module and press return. The serial number can be obtained by scanning the QR code on your BTM-01 module with a mobile phone.
Note: It may help to zoom into the QR code using your phone when you are scanning.
7. Click Send. ➡
8. When pairing is completed, BTM-02 will automatically establish a connection with BTM-01.

Pairing of BTM-01 Bluetooth Sender Module and BTM-03 Bluetooth Receiver Module for the ATP2 Thermal Printer

1. Plug the RS-232 female cable inside BTM-01 into the BTM-03 module.
2. Insert a USB-C charging cable into the USB port of the BTM-03 module and turn on the power supply.
3. Connect the RS-232 female port to your PC's RS-232 interface. If your PC does not have an RS-232 interface, but does have a USB port, you can use

Adam Equipment's RS-232 to USB adapter, available from Adam Equipment distributors or Adam Equipment direct.

4. Press the power-on button for three seconds to turn on BTM-03.
5. If BTM-03 is unpaired, its blue light will flash. If the blue light is always on, BTM-03 is already paired with another device. Disconnect, or turn off, the other device.
6. Download and open Microsoft's Serial Debug Assistant from the Microsoft Store and follow the pairing sequence.
7. Select the COM port consistent with BTM-03. Set baud rate to 4800.
8. Click to open the serial port.



9. In the Input field add AT+BIND followed by the BTM-01 serial number and press return. The serial number can be obtained by scanning the QR code on your BTM-01 module with a mobile phone. **Note: It may help to zoom into the QR code using your phone when you are scanning.** Click Send. ➤
9. When pairing is completed, BTM-03 will automatically establish a connection with BTM-01.

WARRANTY INFORMATION

Adam Equipment offers Limited Warranty (Parts and Labour) for the components failed due to defects in materials or workmanship. Warranty starts from the date of delivery.

During the warranty period, should any repairs be necessary, the purchaser must inform its supplier or Adam Equipment Company. The company or its authorized Technician reserves the right to repair or replace the components at any of its workshops depending on the severity of the problems. However, any freight involved in sending the faulty units or parts to the service centre should be borne by the purchaser.

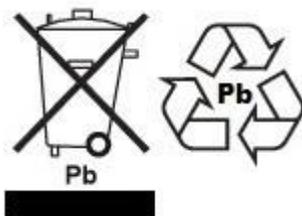
The warranty will cease to operate if the equipment is not returned in the original packaging and with correct documentation for a claim to be processed. All claims are at the sole discretion of Adam Equipment.

This warranty does not cover equipment where defects or poor performance is due to misuse, accidental damage, exposure to radioactive or corrosive materials, negligence, faulty installation, unauthorized modifications or attempted repair or failure to observe the requirements and recommendations as given in this User Manual. Additionally rechargeable batteries (where supplied) are not covered under warranty.

Repairs carried out under the warranty does not extend the warranty period. Components removed during the warranty repairs become the company property.

The statutory right of the purchaser is not affected by this warranty. The terms of this warranty is governed by the UK law. For complete details on Warranty Information, see the terms and conditions of sale available on our website.

WEEE 2012/19/EU



This device may not be disposed of in domestic waste. This also applies to countries outside the EU, per their specific requirements. Disposal of batteries (if fitted) must conform to local laws and restrictions.

Cet appareil ne peut être éliminé avec les déchets ménagers. L'élimination de la batterie doit être effectuée conformément aux lois et restrictions locales.

Dieses Gerät nicht mit dem Hausmüll entsorgt.

Dispositivo no puede ser desechado junto con los residuos domésticos

Dispositivo non può essere smaltito nei rifiuti domestici.

FCC / IC CLASS A DIGITAL DEVICE EMC VERIFICATION STATEMENT

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC rules and Canadian ICES-003/NMB-003 regulation. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

CALIFORNIA PROPOSITION 65 - MANDATORY STATEMENT

WARNING: This product includes a sealed lead-acid battery which contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm



Adam Equipment products have been tested with and are always supplied with mains power adaptors which meet all legal requirements for the intended country or region of operation, including electrical safety, interference and energy efficiency. As we often update adaptor products to meet changing legislation it is not possible to refer to the exact model in this manual. Please contact us if you need specifications or safety information for your particular item. Do not attempt to connect or use an adaptor not supplied by us.

ADAM EQUIPMENT is an ISO 9001:2015 certified global company with more than 50 years' experience in the production and sale of electronic weighing equipment.

Adam products are predominantly designed for the Laboratory, Educational, Health and Fitness, Retail and Industrial Segments. The product range can be described as follows:

- Analytical and precision laboratory balances
- Compact and portable balances
- High capacity balances
- Moisture analysers
- Mechanical scales
- Counting scales
- Digital weighing/checkweighing scales
- High performance platform scales
- Crane scales
- Mechanical and digital electronic health and fitness scales
- Retail scales

For a complete listing of all Adam products visit www.adamequipment.com

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