

Arrow Global BLE - Installation Quick Start Guide

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Standard install: 3 wires only

For normal vehicle tracking, connect constant power, chassis ground and ignition input. This supports accurate trip starts and idling reports.

Pre-install checks and tools

- Confirm device serial / IMEI and customer asset details before fitting.
- Use a multimeter to verify constant power, ignition and ground quality.
- Use 3A fuse protection on battery and ignition input lines.
- Avoid ABS, airbag, brake and other safety-critical circuits.
- Choose a hidden but serviceable mounting location with a good GPS view.
- Secure and label wiring; keep away from sharp edges, heat and moving parts.

Harness wiring reference

Wire	Colour / label	Function	Notes
1	Black	Ground	Chassis ground - use for basic install
2	Red	+VIN / Battery	10-30 VDC - fuse 3A
3	White	Ignition input	2-50 VDC - fuse 3A; ON above 2 VDC
4	Pink	Digital input	0-50 VDC input range
5	Green	Analog input	0-30 VDC input range
6	Yellow	Switched ground output	2A max - relay / buzzer / immobiliser options
7	Brown	1-Wire / iButton	Driver ID reader options
8	Output	Accessory output	Optional accessories / configured functions - do not use as ground

Basic 3-wire installation

1. Constant power

Red wire 2

Locate a constant 10-30 VDC supply that remains live with ignition OFF. Connect via a 3A fuse.

2. Ground

Black wire 1

Connect Black wire 1 to a clean chassis ground. Verify low-resistance ground quality with a multimeter.

3. Ignition

White wire 3

Locate switched ignition. Connect via a 3A fuse. Ignition is ON above 2 VDC.

Secure before handover: insulate joins, strain-relieve the harness and secure the device away from sharp edges, heat and moving parts.

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Mounting and optional I/O

Mounting guidelines

- Mount securely using zip ties or brackets.
- Place with as clear a sky view as practical for GPS.
- Avoid metal shielding, radios, ECUs and interference sources.
- Route wiring away from sharp edges, heat, vibration and moving parts.

Optional I/O - configure before use

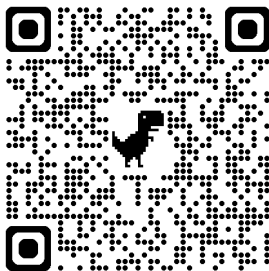
- Pink wire 4: digital input for door open, 4WD active, seatbelt or panic/duress.
- Green wire 5: analog input, 0-30 VDC.
- Yellow wire 6: 2A max switched ground output.
- Brown wire 7: 1-Wire / iButton Driver ID.

Testing, commissioning and handover checklist

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| <ul style="list-style-type: none"> ☐ Enter device serial number in the installer page and click Find. ☐ Confirm the device has connected recently. ☐ Confirm Last Commit time is recent and close to Last Communication time. ☐ Confirm recent GPS fix and sensible location. ☐ Confirm internal backup battery status is OK. ☐ Check external power with ignition OFF and ignition ON; refresh after changes. | <ul style="list-style-type: none"> ☐ Confirm ignition toggles correctly when the vehicle is turned OFF and ON. ☐ Confirm device is secured and wiring is protected from heat, vibration and moving parts. ☐ Confirm customer / fleet asset name is correct. ☐ Verify current location, ignition and power status in AM Tracking / Telematics Guru. ☐ Test optional inputs / outputs where fitted and configured. ☐ Advise customer of subscription, access details and next steps. |
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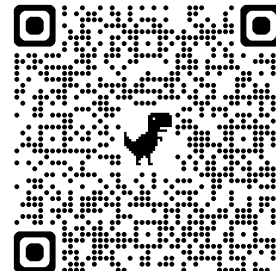
Reference links

Digital Matter install guide



Wiring and installation guide

Arrow Global BLE datasheet



Product datasheet