

INTEGRATION INSTALLATION OVERVIEW

(Use in conjunction with PULSE User Manual)



Included is an overview for the installation and use of PressurePro's LINK solutions (LINK HD, LT and UR) for an integrated set-up. For such installations, a PressurePro PULSE will be required for programming. As such, this overview should be utilized alongside a PULSE user manual.

LINK HD/LT INSTALLATION

LINK units feature two holes for mounting and can be mounted anywhere that allows the LINK Cable (3 ft.) to reach the J1939 access point, while also allowing the coax antenna to be attached. Installing the PressurePro LINK involves 3 components: Power/Ground cable, CAN Bus connections and coax antenna.

1. It is important to note that Power/Ground need to be connected for the MOAC2, blunt cut cable. The PressurePro LINK cannot be powered by the CAN Bus (Green/Yellow) connections alone. (Note: If LINK cable colors do not match Green/Yellow & Red/Black, contact Pressure Pro for wiring diagrams.)
2. With power, ground, and access to the CAN network, plug in LINK to MOAC2 blunt cut cable. The connection can be verified by the "NO SENSORS" reading on the PULSE screen with PULSE in drop and hook mode.

PULSE Drop and Hook mode instructions: MENU → DISPLAY → ADVANCED → OPERATION MODE → Use arrows to select "DROP AND HOOK" → SEL (Follow prompts to reboot)

3. The 35ft long TNC coax antenna (connects to the gateway) is used to allow for easy installation towards the back of the vehicle. The coax cable should be run through the firewall, and zip-tied to prevent "wear and tear". The preferred Antenna mounting location is on a rear cross member, pointed down, at least 18 inches off the ground. The coax antenna kit includes L-mounting brackets for the 6 inch antenna. It is important for the antenna to be mounted to metal, but to not be surrounded by metal.



LINK and Coax Cabled Antenna Kit

LNK-20* Pinouts

The 12-Pin will plug into the Gateway.

Terminate wires as necessary.
Terminating any wires outside of these parameters will void warranty for MOAC2 (LNK-202PD) or LNK devices.



POWER / 1249 7

Connect to ignition source
12-24 Volt (Required For Operation)

GROUND / 12497

Connect to a ground/chasis source.
(Required For Operation)

CAN - HIGH

Connect to CAN-High
(No Resistance)

CAN - LOW

Connect to CAN-Low
(No Resistance)

CAN - SHIELD

J1939 Noise reduction

RS232 GN D

Grounds RS232

RS232 Rx D

Receives RS232 data

RS232 Tx D

Transmits RS232 data

OPEN COLLECTOR R

Specialty wire for automated
shutdown

INSTALLATION OF LINK UR

T-BREAKOUT TRAILER CABLE (LNK-210PD): The LINK ABS T-Breakout Cable is used for powering LINK UR units. The T-Breakout plugs into the Trailers ABS Harness 5-pin WeatherPack connector, allowing quick and easy powering. If necessary, you can cut off the T and use the exposed wires for hardwiring. NOTE: If you need to hardwire the LNK-210PD, use BLACK for Power and WHITE for Ground.

PressurePro recommends providing strain relief on all LINK UR installs. This is accomplished via U-bolt to all cables within 1 foot of the connector.

1. If the trailer has an ABS system, use the LINK ABS T-Breakout Cable for power and data transmission. The ABS line will have a WeatherPack connector where the ABS splits out to the various brakes near the trailer axles. Separate the male and female shroud of the WeatherPack and connect to the appropriate ends of our T-Breakout.
 - a. If there is no ABS system on the trailer then use the LINK Blunt Cut Power Cable, or the T-Breakout can be cut for hardwiring. The LINK UR power cord will be wired via black wire to ground, and the red wire to trailer's "constant hot" power line.
2. Attach the 6" whip antenna to the LINK UR and physically mount it on the underside of the trailer just forward of the rear axles (approximately 3' to 8') in a position where the attached antenna is not in contact with metal and where line-of-sight Sensor signals will not be blocked by the trailer's underside structure.



NOTE: If you decide to cut off the ends of our T-breakout for hardwiring, use the BLACK for Ground and the RED for Power.

PULSE INSTRUCTIONS

COMPLETE PULSE INSTRUCTION AND USER MANUAL INCLUDED SEPERATELY.

1. **DO NOT PUT SENSORS ON TIRES!** To be able to monitor tractor/trailer tires, LINK units must be installed first.
2. **ATTACH PULSE TO DIAGNOSTIC PORT (9-Pin or OBDII).** Once connected to the CAN network and powered, it is important to ensure the PULSE is in “Drop and Hook” mode:

MENU → DISPLAY → ADVANCED → OPERATION MODE → Use the up/down arrow to select “DROP AND HOOK” → SEL (Follow prompts for reboot)

Optional: CHANGE MAX TIRES TO 32 WHEELS. LINK units (version 2) can handle two MIDs with 16 tires apiece. If any receiver needs to handle greater than 16 tires on its own, the Max Tire count can be increased to 32. Note: Only change if previously discussed with dealer/distributor.

MENU → VEHICLE SETTINGS → ADVANCED → MAX TIRES → Use the up/down arrow to select the vehicle you wish to increase → SEL → Use the up/down arrow to select number of tires (16 or 32) → SEL → Power Cycle the Receiver to lock in the new settings.

Optional: USE OF PRIVATE NETWORK CABLE. An LNK-220PD Private Network Cable should be kept at each terminal as a primary back-up cable for all programming. This cable will allow for a private network between the PULSE and the LINK devices should you have issues seeing the LINK devices on the PULSE monitor via the 9-Pin or OBDII ports.

OPERATION OF “DROP & HOOK”

LINK units retain the location, Sensor ID, and reference pressure of each tire on the tractor (LINK HD/LT) & trailer (LINK UR) after powering down. All tire information is communicated through the LINK HD/LT to the CAN Bus. When the Trailer is disconnected, LINK will stop identifying it and stop reporting the UR data within 30 seconds. All data transmitted by LINK onto the CAN Bus will be received and displayed by the PULSE automatically.

Upon completing installation, reboot both the Telematic and LINK devices, after disconnecting PULSE. For best practice, follow the order of power off Telematic, power off LINK, power on Telematic, power on LINK.

LIMITED WARRANTY

ONE YEAR LIMITED WARRANTY: Subject to the limitations and exclusions set forth in this Limited Warranty, PressurePro is warranted by Advantage PressurePro, LLC (hereinafter “APP”) against defects in material or workmanship that result in a product failure during the one-year period following the date of purchase. This Limited Warranty applies only to claims made by the original end user (hereinafter “you”) and cannot be assigned, transferred or conveyed to any subsequent users.

See full warranty statement in PULSE User Manual, page 14.



US Letter Patent # 6,453,737 (Other Patents Pending)

NOTES



Corporate Information

Advantage PressurePro, LLC
205 West Wall Street, Harrisonville, MO 64701
Telephone: 816-887-3505 Fax: 816-887-3705

To activate your warranty, visit www.pressurepro.us
and select the "Register Your Product" quick link.
Original receipt required for warranty or service work.

For ordering and/or assistance, please contact your dealer.

Proudly designed and built in the USA.



WARNING

This product contains chemicals, including Carbon Black, known to the State of California to cause cancer and birth defects/reproductive harm. For more information visit www.P65Warnings.ca.gov

USA – FCC Supplier Declaration of Conformity Product Identification and Responsible Party

PressurePro Inc [2.1077(a)(3)]
www.pressurepro.us
205 West Wall Street,
Harrisonville, MO, 64701

Models: APS3, APPINTRX, APPPLS2 [2.1077(a)(1)]

We, PressurePro Inc., 205 West Wall Street, Harrisonville, MO, 64701, declare under our sole responsibility that the product Model: APS3 complies with Part 15 Subparts B, C of FCC CFR47 Rules.

LABELING

Devices subject to SDoC are required to be uniquely identified by the responsible party prior to importing the equipment into or marketing it in the United States. The label shall not be of a format that could be confused with the FCC Identifier required on certified equipment.¹¹ The responsible party is required to maintain adequate identification records to facilitate positive identification for each device.¹² See KDB Publication 784748 for labeling guidance.

Devices subject to authorization under SDoC can be labeled with the following FCC logo on a voluntary basis. However, use of the FCC logo is limited to products that fully comply with the SDoC procedures.

a. FCC Compliance Statement FCC 15.19 Labeling Requirements

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Note: This equipment 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 reason-able 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 installation. If this equipment does cause harmful interference to radio or television reception, which can be deter-mined 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.

b. FCC RF Exposure Statement

The device shall be used in such a manner that the potential for human contact normal operation is minimized. This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

c. Canada ISED Compliance Statement

CAN ICES-3 (B)/NMB-3(B)

This device complies with Industry Canada's license-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- 1) l'appareil ne doit pas produire de brouillage;
- 2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

d. Canada RF Exposure Statement

The device shall be used in such a manner that the potential for human contact normal operation is minimized. This equipment complies with RSS-102 radiation exposure limits. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Le dispositif doit être utilisé de manière à minimiser le potentiel de fonctionnement normal par contact humain. Cet équipement est conforme aux limites d'exposition au rayonnement RSS-102. Cet équipement doit être installé et utilisé avec une distance minimale de 20 cm entre le radiateur et votre corps. Cet appareil et son (ses) antenne (s) ne doivent pas être co-localisés ou utilisés conjointement avec une autre antenne ou un autre émetteur

e. European Union Compliance Statement

Hereby, Manufacturer declares that this Model: APS3 Product is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address: [TBD]

[Include Manufacturer signed Declaration of Conformity for Product in User's Manual.]

Hereby, Manufacturer declares that this device operates on frequencies that are harmonized in the European Union in one or more member states in the frequency range(s)

Modular Radio EIRP, Conducted Power, and Field Strength References				
Ref No.	Report Number	Radio	Range	Tx
[R-1]	Etr2401464-02	Module 1	433.92 MHZ ISM	-18.35 dBm EIRP

f. European Union RF Exposure Statement

The device shall be used in such a manner that the potential for human contact normal operation is minimized. This equipment complies with EN 62311:2008 and basic restrictions listed in 1999/519/EC. This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

g. WEEE

This product is manufactured to ensure compliance with European Union regulations and policies that preserve, protect and improve the quality of the environment, protect human health and utilize natural resources prudently and rationally. In compliance with the Waste Electrical and Electronic Equipment (WEEE) directive return this product it to a local recycling center, the original dealer or supplier at the end of life. Otherwise return device to the following office:

PressurePro Inc., 205 West Wall Street, Harrisonville, MO, 64701
+1-816-887-3505, www.pressurepro.us

i. RoHS

The Product is in conformity with Directive 2011/65/EU on Restriction of the use of certain Hazardous Substances in electrical and electronic equipment.

j. REACH

The Product is in conformity with Regulation (EC) No 1907/2006 concerning Registration, Evaluation, Authorization and Restriction of Chemicals (REACH). The list of controlled substances is available at <https://echa.europa.eu/candidate-list-table>.