

Product Contents

ITEM	QTY	DESCRIPTION
Data Logger	1	Data Logger and alarm.
Wire Harness	1	To be connected to a switched power source in vehicle.
Scanner	1	
RFID Tag	4	To be located on each corner of the vehicle.
Battery	2	CR123A
Decal	1	Attach to door or window

Tools Required for Installation:

12/24 Volt wire tester; side cutters; pliers;
#1 Philips screwdriver.

Installation

Verify the contents listed above are all present. If anything is missing, contact your supplier immediately using the information included in or on the shipping box.

1. Installing RFID tags: Prepare the desired location for each RFID tag with the supplied wipes. If additional cleaning is required, use alcohol wipes or soap and water. Area must be free of dirt, oil, water, loose paint, decals, etc. prior to application of RFID tags. Installation must be completed in temperature of 21 Celsius / 70° Fahrenheit.
2. When surface preparation is complete, peel the protective cover off of the back of the RFID tag and apply the tag to the desired area. Apply pressure for 60 seconds to ensure adhesion. Repeat the cleaning procedure for each subsequent RFID tag. The adhesive on the tags will reach full strength in 24 hours, however the vehicle can be driven immediately after application, if temperatures are above 0°.
3. To activate power to the Data Logger, remove the cover using a #1 Philips screwdriver. Locate and remove the tape strip under coin battery. **Do not pull the tape straight upwards. Pull towards the side of the case; the tape should slide out easily.**
4. Using a 12/24V wire tester, locate a switched 12/24V power source in the vehicle. The Data Logger should turn off when the vehicle is turned off, as is typical of a stereo or other accessory. Connect the **red** wire (+) on the supplied wire harness to the switched 12/24V power source. Connect the black wire (-) on the harness to a vehicle ground.
5. Plug the wire harness in to the Data Logger.

6. Turn the vehicle accessory power on. The Data Logger will beep three times, and its light will flash once per second. Once this is completed, the vehicles ignition can be turned off.

7. The Data Logger can now be mounted under the dash board. *A light on the Head Unit will flash different patterns during the process of checking in; however, the box can be located out of sight (behind or below the dash) and will still be heard.*

8. Configuring the Scanner: The Scanner can operate with one or two Lithium CR123A batteries. If battery or batteries are not installed, remove the back cover of the Remote using a #1 Philips screwdriver to install.

The system is now fully installed.

Notes About Programming and Scanning.

The Scanner will respond to any button press with a short beep, and will turn on its light while the button is pressed. In the following steps, the button must be held down for one second in some cases, five in others, and will beep again after the required amount of time has elapsed. This is not the same as the initial beep.

If fewer than three tags are scanned, and the button on the Scanner is pressed, the Scanner will treat this as an error, and will beep once long and once short, then power itself off. If 10 tags are scanned (the maximum number) the remote will assume tag scanning is complete and attempt to communicate with the Data Logger.

If the button is pressed after scanning tags and before successful communication with the Data Logger, the Scanner will abort attempting to communicate with the Data Logger, beep three times (longer beeps) and power itself off.

Programming Pre Trip Walk Around Scan (Initial Scan or Rescan)

1. Press and **hold down** the button for one second, until **two beeps** are heard. If one beep is heard after one second, **do not release the button**. Hold it down for four more seconds, until two beeps are heard. Release the button. The remote will flash in **red**, one pulse per second. If one beep is heard and the light on the remote flashes **red** several times, pausing and repeating, press the button briefly (less than one second). One long beep followed by one short beep will be heard, and the remote will turn off. Press and hold again for five seconds to try again.

2. Walk around the vehicle with the Scanner, passing it over each installed RFID tag. The Scanner must be 1 to 3 cm from each tag in order to be scanned.

3. An audible beep will be heard each time an RFID tag is scanned. Tags can be scanned more than once, but will only be recognized once. The Scanner will flash a repeating sequence in **green** of one flash per tag, followed by a pause.

4. On completion of the pre trip walk around, return to the vehicle.

5. Turn ignition to accessory position only (**do not start the vehicle**). The Data Logger will beep three times, turn on its light for 1-2 seconds, and the begin pulsing once per second. It is now waiting for the Scanner to connect.

6. Press the button briefly on the Scanner. The Scanner will beep twice and stop flashing its light for a few seconds. After this time, it will begin flashing in **blue**, once per second. Additional pulses of light may be seen. This indicates communication is occurring between the Data Logger and Scanner.

7. On successfully communicating the scanned tags, both the Data Logger and the Scanner will beep three times. If the Data Logger and the Scanner did not pair correctly, the Data Logger will begin sounding its alarm. If this happens, repeat the initial scan procedure.

Normal Pre Trip Walk Around Scan

1. Press the button on the Scanner for one second, or until one beep is heard (not the initial button press beep). Release the button. The Scanner will flash **red** once per tag stored in its memory (e.g, if four tags are scanned, a repeating sequence of four short **red** pulses followed by a pause will be seen).

2. Perform a normal pre-trip walk around, passing the Scanner over each tag. Each **red** pulse corresponds to a specific tag. When that tag is scanned, its pulse will turn **green**. Tags can be scanned in any order, so long as all are scanned at least once.

3. When all tags are scanned, the Scanner will beep three times and begin searching for the Data Logger, just as with a new scan. Do not press the button on the Scanner. Return to the cab and start the vehicle.

4. Grace period: If the vehicle is stopped for less than 20 seconds, a rescan will not be required. If this happens, the Data Logger will not beep three times.