DriveRight® and CarChip™ Wireless Download System
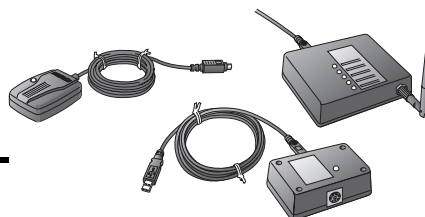
The Wireless Download System includes three products, the
Wireless On-Board Module (# 8129), the Base Station for Wireless Download System (# 8130), and the Configuration Cable
for Wireless On-Board Module (# 8131). These products work together to give your fleet manager the ability to download
data directly from the DriveRight or CarChip Fleet Pro to the DriveRight Fleet Management Software (FMS, # 8186)
database in the fleet office, without any actions by your fleet drivers. With this system, there is no need for the drivers to carry
the DriveRight device, CarChip Fleet Pro or SmartCard into the fleet office. The data moves wirelessly from the vehicle to
the FMS database.

The Wireless On-Board Module installs in the vehicle and connects to the DriveRight device through the GPS\Wireless
Interface Module for DriveRight (# 8127) or to a CarChip Fleet Pro through the GPS\Wireless Interface Module for CarChip
(# 8251). Once the vehicle is parked in the fleet parking lot, this module communicates with a Base Station for Wireless
Download System (# 8130) and moves the DriveRight data to the FMS database.

Note: The optional GPS/Wireless Interface Module for DriveRight (# 8127) or GPS/Wireless Interface Module for CarChip (# 8251) must
be installed with the Wireless On-Board Module for the Wireless On-Board Module to communicate with the DriveRight or
CarChip device.

The Base Station for Wireless Download System connects to a computer running FMS 3.7 or later using a USB connection.
It communicates with all the Wireless On-Board Modules installed in your fleet and moves the data from the DriveRight and
CarChip devices to the FMS database. Using FMS, this operation can be performed daily for all the vehicles in your fleet, or
only for selected vehicles. You can also initiate a manual download from selected vehicles or your whole fleet.

This Configuration Cable for Wireless On-Board Module connects to the PC running FMS using an USB connection. It
connects a single Wireless On-Board Module to a computer so that it can be configured for initial use in your fleet.

Wireless On-Board Module (# 8129) Specifications

Operating Temperature . . . . -40°F to +176°F (-40°C to +80°C)

Storage Temperature . . . . -40°F to +194°F (-40°C to +90°C)

Input Power. . . . . 3.3 Vdc

Typical Standby Current 10mA

Typical Transmit Current 270mA

Size (l x w x h) . . . . 2.50" x 1.75" x 0.75" (64 mm x 45 mm x 20 mm)

Weight . . . . 3.84 oz. (0.11 kg)

Cable

    Length . . . . 96" (2.4 m)

    Connector . . . . 7-pin locking Mini-DIN

Wireless Transmitter Specifications

    Frequency . . . . ISM 2.4GHz

    Protocol . . . . IEEE 805.15.4

    Channels 12

    Line of Sight Range . . . . 600' (200 m)

    Output Power . . . . 60mW (18dBm) (US)
                             10mW (10dBm) (Europe)

    Receiver Sensitivity . . . . -100dBM (1% packet error rate)

Agency Certifications . . . . FCC, IC, CE

Base Station (# 8130) Specifications

Operating Temperature . . . .-40°F to +185°F (-40°C to +85°C)

Storage Temperature . . . .-40°F to +194°F (-40°C to +90°C)

Size (l x w x h) . . . . .4.40" x 3.25" x 1.00" (111 mm x 83 mm x 26 mm)

Weight . . . . .3.84 oz. (0.11 kg)

Electrical Specifications

    Powered By . . . . .USB

    Typical Standby Current 30mA

    Typical Transmit Current. 250mA

Connector Type . . . . .USB Mini-B

Cable

    Length . . . . .96" (2.4 m)

    Cable Type. . . . . .USB A to Mini-B

Wireless Transmitter Specifications

    Frequency . . . . .ISM 2.4GHz

    Protocol . . . . .IEEE 805.15.4

    Channels 12

    Line of Sight Range . . . . .600' (200 m)

    Output Power . . . . .60mW (18dBm) (US)
                                               10mW (10dBm) (Europe)

    Receiver Sensitivity . . . .-100dBM (1% packet error rate)

Agency Certifications . . . . .FCC, IC, CE

Configuration Cable (# 8131) Specifications

Operating Temperature . . . .-40°F to +185°F (-40°C to 85°C)

Storage Temperature . . . .-40°F to +194°F (-40°C to 90°C)

Size (l x w x h) . . . . .3.7" x 2.3" x 1.0" (94 mm x 58 mm x 25 mm)

Weight . . . . .2.24 oz. (0.07)

Electrical Specifications

    Powered by . . . . .USB

    Typical current 30mA

Connectors

    For USB Cable . . . . .USB Mini-B

    For Wireless On-Board Module. . . . . .7 Pin locking Mini-DIN

Cable

    Length . . . . .Length 96" (2.4m)

    Cable Type. . . . . .USB A to Mini-B

Agency certifications . . . . .FCC, IC, CE

Package Dimensions

Product #	Package Dimensions (Length x Width x Height)	Package Weight	UPC Codes
8129	6.25" x 4.25" x 2.13" (159 mm x 108 mm x 54 mm)	5.76 oz. (.17 kg)	011698 00871 1
8130	6.25" x 4.25" x 2.13" (159 mm x 108 mm x 54 mm)	9.00 oz. (.26 kg)	011698 00878 0
8131	6.25" x 4.25" x 2.13" (159 mm x 108 mm x 54 mm)	6.72 oz. (.19 kg)	011698 00879 7