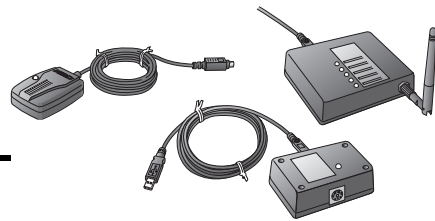


# Wireless Download System DriveRight® and CarChip®



**8129**  
**8130**  
**8131**

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.

Note: If you are using CarChip Fleet Pro with CarChipConnect.com, you will not need this system. In this case, you can upload data from the device directly to the site via a cable.

## 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

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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

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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

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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