



 *Intellitec*

 **RoadCommander**



Introducing Road Commander

Intellitec is launching a new product family, named “Road Commander” that will allow you to control your RV systems via a touch screen, control center, or smart phone, whether Android or IOS.

Road Commander provides the RV owner with a portable and more convenient means of operating and controlling the devices and appliances inside their recreational vehicle using wired or wireless technology.



Introductory Hardware developments include:

Description of hardware	Module part No
Blue tooth command & control module	00-01094-000
Low current I/O 8 inputs 4 FET outputs	00-01095-000
High Current I/O - 1 H bridge	00-01096-000
System Monitor analogue input module	00-01097-000
HVAC interface	00-01105-000
Command Center LCD 7" preloaded with App	00-01106-000
Command Center	00-01107-000
Generator interface	00-01108-000
Command Center LCD 4.3" preloaded with App	00-01115-000
Programming tool	10-01079-000



Touchscreen 7" 00-01106-000



Touchscreen 4.3" 00-01115-000



Touchscreen 7" 00-01106-000

Touchscreen 4.3" 00-01115-000

Overview:

The Road Commander touchscreens from Intellitec Products LLC are the latest addition to the Road Commander series of products. The Touchscreens are available in two sizes, 4.3" or 7", both are hardwired CANBUS capacitive touch screens that are designed to function with the Intellitec Road Commander system. The Touchscreen's supplied pre-loaded with a Road Commander APP that currently controls the following functions - HVAC, slide outs, awnings, lighting, dimming functions including "scene" programming, batteries & tanks reading and monitoring and Generator control. Within the Road Commander application is the ability to control "mood lighting scenes" with a just one button touch, these scenes can be configured and changed by the vehicle owner to suit their own requirements. These scenes could for example be "Reading" or "Party" where certain lights would dim to a % decided by the owner, all of this is done via the Command Center LCD.

Advantages:

- Expandable: as Intellitec develops new hardware for the Road Commander system the addition to the Touchscreen's is all done by firmware.
- Simple to install, no programming required.
- Simple to operate and configure.
- Can be used with the 00-01094-000 Blue Tooth module so control functions can be operated via the LCD or smart phone at the same time.

Application:

The Road Commander Touchscreen was designed to replace the existing convenience centers that are currently available to the recreational vehicle OEM's. The Touchscreens is very simple to install with just 3 connections required, Battery +, Ground & CAN.

The Road Command Touchscreen offers almost unlimited control/ functionality opportunities for the RV OEM, Intellitec are 100% in control of the application, we are therefore able to meet the vast majority of application requests from the OEM's.

Features:

- Projected capacitance touch screen.
- Supplied preprogrammed with the Road Commander application.
- Simple to install.
- Pre-loaded with application.

Blue Tooth Module 00-01094-000

Overview:

The Intellitec Products' Blue Tooth module, 00-01094-000, is intended for the sole purpose of Developing the communication messages between the all of the Road Commander modules and to serve as the wireless access point between the SMART Devices and Tablets.

The Blue Tooth Module can supply a maximum load current of 20 Amperes. The Blue Tooth module has four available input channel, which may be used to activate the lighting zones within the motorized vehicle or travel trailer or used to terminate interlock signals. These inputs can be configured as a high-side or low-side activation through the module configuration program.

Advantages:

- Works in conjunction with conventional switch buttons.
- Expandable and adaptable to previous model year coaches as well as new.
- Simple to operate and configure.
- Easy to download to SMART device.
- Perfect for 'dry camp' operation.

Application:

The Blue Tooth module is the center for 'command and control' for the Road Commander family. This module provides the wireless interface from the SMART device to the other installed modules. The Blue Tooth module provides the status and operational information (Fault Status, On/Off, Raise/Lower, Extend, Retract **while module is operating**) from the installed modules, (Tank level, Battery Health, Lighting, Awning, and Slide-out modules to name a few) and displays this information directly on your SMART device.

More specific application and installation information is available in the Service manual for this module.

Features:

- Provides 2-way Communication between SMART device and Road Commander modules.
- Provides Diagnostic information in real time.
- 'Sleep mode' enabled.
- Security features enabled.





Slide Out / Awning Control 00-01096-000

Overview:

The Intellitec Products' Slide-out module, 00-01096-000, is intended for the sole purpose of heavy duty motor control applications such as extending and retracting a slide-out room or an awning.

This product derives bi-directional operation from a single power source.

The module is rated to supply up to 30 Amperes continuously to extend or retract a slide-out room or awning as well as to raise / lower a leveling system.

Advantages:

- Functions independent of the Road Commander Family of products.
- Works in conjunction with conventional switch buttons.
- Expandable and adaptable to previous model year coaches as well as new.
- Simple to operate and configure.

Application:

The Slide-out module is a 'heavy duty' current output module that can be utilized in many applications such as full wall slide-outs, hydraulic, and gear driven slide-out platforms as well as awnings. This module supplies power to the low current device and utilized self-protecting FET technology to protect the module and the output load from an over-current event by monitoring the current draw for each of the output channel as well as current draw by the module itself. The maximum output current draw is also protected from over-current situations. The load current for each output channel is configurable through using the module configuration tool to provide the proper level of circuit protection. The High Current module may be used as a 'stand-alone' component module, as part of the Intellitec Programmable Multiplex Control System 'PMC', or as part of the Road Commander system. More specific application and installation information is available in the Service manual for this module.

Features:

- Provides Diagnostic information in real time.
- Provides 'over-current' protection for the motor control application – No additional fusing required.
- 'Sleep mode' enabled.
- Perfect for 'dry camp' operation.



System Monitor Module 00-01097-000

Overview:

The Intellitec Products' System Monitor module, 00-01097-000, is intended to monitor the health and status of your recreational vehicle and communicate this information to the BT-Module. The System Monitor interprets the battery voltages, up to four banks, and reads the tank level status for up to four tanks.

The BT-Module then sends the updated information about the current battery voltage for up to four banks of battery while graphically depicting the 'health' of the battery to your SMART device. Also, the Tank Level of four tanks, Fresh, Gray1, Gray2, and Black) are collected and transmitted to the BT-Module so the user can have up to the moment information on the critical levels within the recreational vehicle.

Advantages:

- Works in conjunction with conventional switch buttons.
- Expandable and adaptable to previous model year coaches as well as new.
- Simple to install.

Application:

The System Monitor module provides an easy to use and understandable display of the 'health' of your recreational vehicle remotely through the use of your SMART device. The maximum output current draw is also protected from over-current situations. The load current for each output channel is configurable through using the module configuration tool to provide the proper level of circuit protection.

The System Monitor module is used in conjunction with the BT-Module in order to communicate the information to your SMART device. More specific application and installation information is available in the Service manual for this module.

Features:

- Provides Diagnostic information in real time.
- 'Sleep mode' enabled.
- Perfect for 'dry camp' operation.



Road Commander HVAC Interface 00-01105-000

Overview:

The Road Commander HVAC module provides an interface between new or existing Road Commander systems and vehicle heating, ventilation, and air conditioning systems. It is intended to operate seamlessly with industry standard HVAC components and allows operation of these systems via touchscreens or smart device Bluetooth applications. Each interface module can control two HVAC units with high and low fan speeds, heating, and air conditioning. Additional modules may be installed to control additional HVAC units. Settings for all HVAC units may be linked or controlled as independent zones. System software provides manual and automatic control, and "set back" functions. The HVAC module provides direct heat control for reverse cycle installations. An external relay is required for direct electric heat applications.

Advantages:

- The Road Commander HVAC module integrates the control of the HVAC system, this can be achieved via the Command Center LCD, or, if desired via their smart phone or tablet from in or indeed outside the RV.
- Simple to install.

Application:

Incorporating the HVAC module provides 'wireless' control of the climate control (air conditioning or furnace) for recreational vehicle. The control includes the following aspects: programmable 'set back' controls as available in most homes; independent zone control; ability to control and operate two air conditioning units with a single module and; include an additional HVAC module can be controlled individually or integrated into a single climate control system.

Features:

- Wireless communication via your SMART Device.
- Intuitive to use and operate.
- Supports 2-speed fan control.
- Configurable for single or dual remote temperature sensor inputs.
- 'Built in' diagnostics indicating the status of HVAC control system.
- Integrated control points; SMART App device or LCD panel.



Lighting Control Module 00-01095-000

Overview:

The Intellitec Products' Low Current module, 00-01095-000, is intended for the sole purpose of turning interior and exterior lights on and off. The maximum output load current for each of the four channels is five, 5, amperes. The Low Current module has four available output channels rated at 5 Amps each. The maximum current draw from the Low Current module is 20 Amperes. The Low Current module has eight, 8, Input channels which may be used to activate the lighting zones within the motorized vehicle or travel trailer. These inputs can be configured as a high-side or low-side activation through the module configuration program.

Multiple low current modules may be used to complement the wireless control and operation of any low current device. Its function should not be used in applications requiring more than 5 Amperes of continuous load current per channel.

Advantages:

- Functions independent of the Road Commander Family of products.
- Works in conjunction with conventional switch buttons.
- Expandable and adaptable to previous model year coaches as well as new.
- Simple to operate and configure.

Application:

The Low Current I/O module is a 'light duty' current output module that can be utilized in many applications. This module supplies power to the low current device and utilized self-protecting FET technology to protect the module and the output load from an over-current event by monitoring the current draw for each of the output channel as well as current draw by the module itself. The maximum output current draw is also protected from over-current situations. The load current for each output channel is configurable through using the module configuration tool to provide the proper level of circuit protection.

The Low Current module may be used as a 'stand-alone' component module, as part of the Intellitec Programmable Multiplex Control System 'PMC', or as part of the Road Commander system. More specific application and installation information is available in the Service manual for this module.

Features:

- Provides Diagnostic information in real time.
- Provides 'Over-current' protection for each output. No additional fusing required.
- 'Sleep mode' enabled.
- Perfect for 'dry camp' operation.



Generator interface 00-01108-000

Overview:

The 1108 Road Commander generator interface allows a new or existing Road Commander system to remotely start and stop typical recreational vehicle generators. The generator may be operated via external switches, touchscreens, or smart device Bluetooth applications. Additional module inputs provide generator status information. System software provides manual and automatic start and scheduled "quiet times". Automatic start functions may be enabled based on HVAC demand via the Road Commander HVAC Interface module (00-01105-000) or by vehicle battery voltage via Road Commander System Monitor module (00-01097-000). The generator interface is configurable via PC and supports various generators from Onan, Honda and Kohler.

Advantages:

- The Road Commander Generator Interface integrates control of the generator via the ICAN bus, Command & control of the generator can then be achieved either via the Command Center LCD, the smart phone application or from hardwired switches.
- Simple to install and operate

Application:

Incorporating the generator control into the Road Commander system provides significant flexibility of operation, the owner can use their smart phone, a touch screen or physical switches hardwired into the vehicle to effect control of the generator. The generator interface sits on the ICAN data bus and therefore can be controlled via the HVAC control dependent on how the system is programmed. Pet care and other options are easily configured in the system.

Features:

- Wireless communication & operation via your smart phone or tablet.
- Wired communication & operation via touch screen or hardwired switches.
- Built in diagnostics.
- Configurable operation.



Low Current I/O Module 00-01095-000

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Advantages:

- Functions independent of the Road Commander Family of products.
- Works in conjunction with conventional switch buttons.
- Expandable and adaptable to previous model year coaches as well as new.
- Simple to operate and configure.

Application:

The Low Current I/O module is a 'light duty' current output module that can be utilized in many applications. This module supplies power to the low current device and utilized self-protecting FET technology to protect the module and the output load from an over-current event by monitoring the current draw for each of the output channel as well as current draw by the module itself. The maximum output current draw is also protected from over-current situations. The load current for each output channel is configurable through using the module configuration tool to provide the proper level of circuit protection.

The Low Current module may be used as a 'stand-alone' component module, as part of the Intellitec Programmable Multiplex Control System 'PMC', or as part of the Road Commander system. More specific application and installation information is available in the Service manual for this module.

Features:

- Provides Diagnostic information in real time.
- Provides 'Over-current' protection for each output. No additional fusing required.
- 'Sleep mode' enabled.
- Perfect for 'dry camp' operation.

*Keeping you
moving since
1976*



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