

iN·Command®

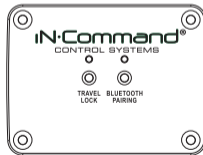
CONTROL SYSTEMS

RV CONTROL SYSTEM

Installation and Operation Manual



NCSP60CM



NCSP60SP

Patent # US 9,679,735

Important Safety Information



WARNING

Read the iN-Command Manual, and these warnings and instructions carefully before using this product. Failure to follow the use instructions in this owner's manual, or improper use of the Mobile Application, Display Commander and/or Body Control Module, could result in personal injury, including death.

Do not operate while vehicle is being driven. The Mobile Application, Display Commander and/or Body Control Module should not be used while the vehicle is being driven. Use of the Mobile Application, Display Commander and/or Body Control Module while the vehicle is being driven is dangerous and may cause personal injury or property damage.

For adult use only. The Mobile Application, Display Commander and Body Control Module are intended for adult use only, and are not to be used by persons under the age of 18. Use by children may cause personal injury or property damage.

Operate only when you have a clear line of sight. Do not operate any moving parts (including, but not limited to, awnings, jacks and slides), unless you have a clear line of sight to the moving part. The Mobile Application, Display Commander or Body Control Module may be used only if you are giving instructions to, and receiving instructions from, another person at least age 18 or older who can clearly see the moving part. Failure to follow these instructions may result in serious personal injury or property damage.

Do not operate under the influence of alcohol or drugs. Do not operate the Mobile Application, Display Commander or Body Control Module while under the influence of alcohol or drugs. Doing so may result in personal injury or property damage.

Avoid moisture. To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

Use recommended accessories. To reduce the risk of fire or electric shock and annoying interference, use only the recommended accessories.

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• INTRODUCTION

• Thank You!

Thank you for choosing iN-Command. We hope you will find the instructions in this owner's manual clear and easy to follow. If you take a few minutes to look through it, you'll learn how to use all the features of your new iN-Command system for maximum enjoyment.

• Features

Features of iN-Command system:

- Control by either one Android Device or one iOS Device
- Control 3 Light zones
- Control 2 Awnings
- Control 4 Electric Slides
- Control 2 Jacks (non-automatic function)
- Monitor Battery Voltage with Low Voltage Alert

• Precautions

• Use the Proper Power Supply.

This product is designed to operate with a 12 volt DC, negative ground battery system (the standard system in a North American vehicle).

• Use Authorized Service Centers.

Do not attempt to disassemble or adjust this precision product contact a professional for assistance.

• Avoid Moisture.

To reduce the risk of fire or electric shock, do not expose this equipment to rain or moisture.

• Avoid Cleaning Products.

The front of this unit should only be cleaned with a slightly damp cloth. Do not use cleaning products.

• Use Recommended Accessories.

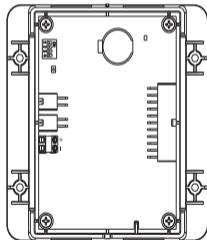
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK AND ANNOYING INTERFERENCE, USE ONLY THE RECOMMENDED ACCESSORIES.

• Packing List

(1) Cover(NCSP60CM) (1) Body Control Module (NCSP60CM)



(1) Switch Plate (NCSP60SP)



• INSTALLATION

It's a good idea to read all of the instructions before beginning the installation. We recommend having your iN-Command system installed by a reputable RV dealership

• Tools and Supplies

You will need the following:

- Phillips screwdriver
- Wire cutters and strippers
- Electrical tape
- Volt meter/test light
- Crimping tool
- 10 gauge wire for power and slide connections
- 14 and 18 gauge wire for all other connections
- Four #8 PH (0.164" x 0.5") screws for the CM
- Four #8 FH (0.164" x 0.5") screws for the SP

• Disconnecting the Battery

To prevent a short circuit, be sure to turn off 12V power and remove the negative (-) battery cable prior to installation.

• Selecting the Mounting Location

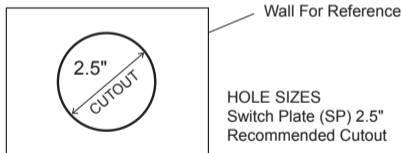
Select a mounting location, taking care to avoid the following:

- Places exposed to heat-radiating appliances such as electric heaters

- Adjacent to other equipment that radiates heat
- Under thermostats
- Poorly-ventilated or dusty places
- Moist or humid locations

• Mounting Switch Plate

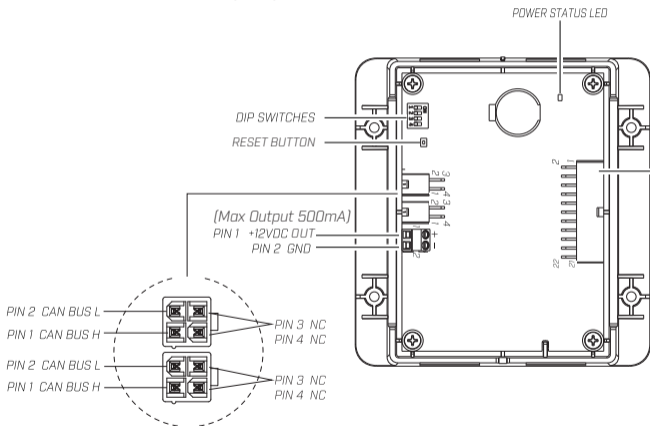
- Cut/Drill hole, allowing space below for future programming and behind for ventilation
- Route wires through the hole and connect
- Check and ensure correct operation
- Mount the unit using four #8 FH (0.164" x 0.5") screws



• WIRING (NCSP60CM)

The wiring diagram depicts all the wiring connections required for proper operation of the unit.

BODY CONTROL MODULE (BCM) CONNECTIONS

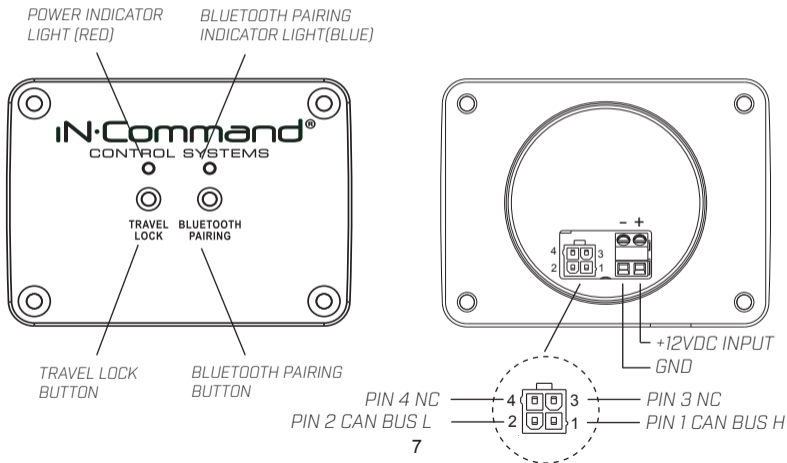


PIN 1	Slide 1 Extend
PIN 2	Slide 1 Retract
PIN 3	Slide 2 Extend
PIN 4	Slide 2 Retract
PIN 5	Slide 3 Extend
PIN 6	Slide 3 Retract
PIN 7	Slide 4 Extend
PIN 8	Slide 4 Retract
PIN 9	Awning 1 Extend
PIN 10	Awning 1 Retract
PIN 11	Awning 2 Extend
PIN 12	Awning 2 Retract
PIN 13	Stabilizer Front Extend
PIN 14	Stabilizer Front Retract
PIN 15	Stabilizer Rear Extend
PIN 16	Stabilizer Rear Retract
PIN 17	Interior Lights ON/OFF
PIN 18	Awning Lights 1 ON/OFF
PIN 19	Awning Lights 2 ON/OFF
PIN 20	Travel Lock Input ON/OFF
PIN 21	12 Volts Input
PIN 22	Ground

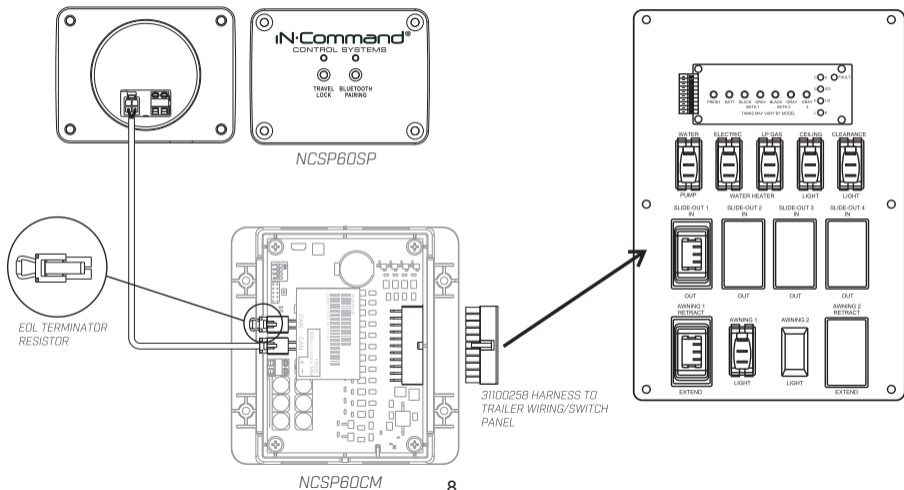
• WIRING (NCSP60SP)

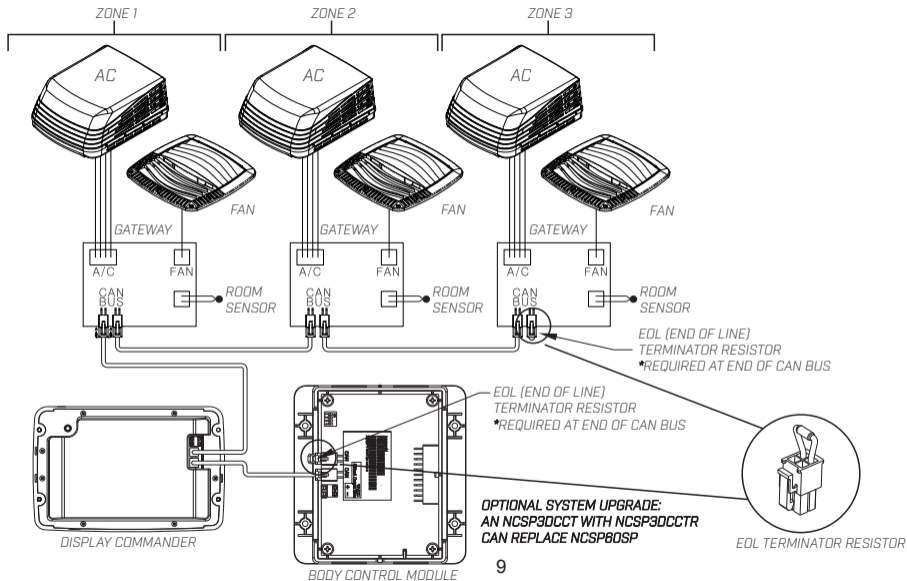
The wiring diagram depicts all the wiring connections required for proper operation of the unit.

SWITCH PLATE (SP) CONNECTIONS



• **SYSTEM LAYOUT(NCSP60SP)**



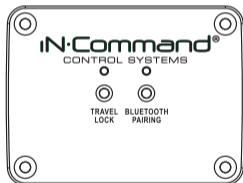


• SWITCH PLATE BUTTONS

The SP (Switch Plate) has 2 buttons on the front of it. From left to right, they are:

- Travel Lock
- Bluetooth Pairing

The Travel Lock button turns off the Travel Lock function when the light is flashing red. The Bluetooth Pairing button is used to pair and unpair the mobile app to and from the SP.



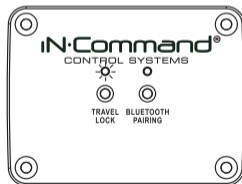
• TRAVEL LOCKOUT (SAFETY) *

iN-Command is equipped with a Travel Lockout feature to ensure certain system functions are unavailable during transit.

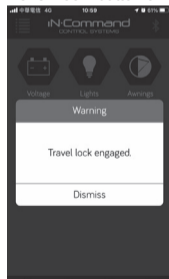
When the Brake on the vehicle is activated, iN-Command will lock out (disable) all motorized functions. The Travel Lock LED will be solid red if the brake is actively engaged or flashing red when the brake signal is removed. Mobile devices will display "Travel Lock Engaged" and the affected motor functions will not be available.

The light controls will continue to function.

To turn the Travel Lock off press the "Travel Lock" button on the Switch Plate inside the RV.



Travel Lock on the Switch Plate



• MOBILE DEVICES:

iN-Command is able to pair to Android and iOS devices via the mobile App.

Visit the Google Play and Apple App stores on your mobile device to download and use the iN-Command App.

Only One mobile device is able to be paired with iN-Command.



Download iN-Command
Android App



Download iN-Command
iOS App



iN-Command

ASA Electronics, LLC



AGE

4+

Years Old

CATEGORY



Utilities

DEVELOPER



ASA Electronics,

What's New

Version History

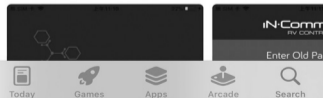
Version 1.7

5mo ago

- Expanded Dashboard 3rd party app compatibility for Leveling and Solar functions

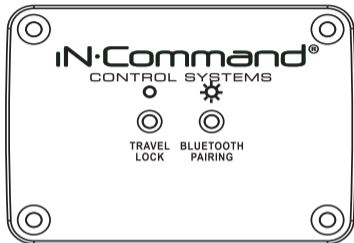
[more](#)

Preview



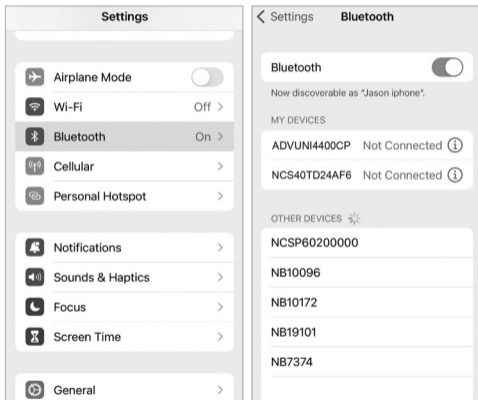
• Pairing a Mobile Device

Press and hold the "Bluetooth pairing" button for 5 seconds to enter discovery mode. The blue LED will start to flash.

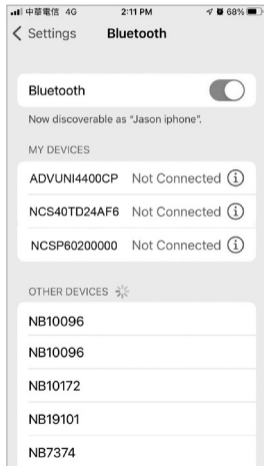


• iOS Pairing instructions

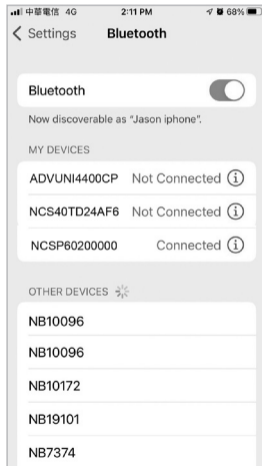
1. Enable "Bluetooth" in the system settings of the mobile device.



2. The Switch Plate (NCSP60SP) will be displayed on the mobile device list in the format NCSP60XXXXX. Select the Switch Plate on the mobile device to pair with it.

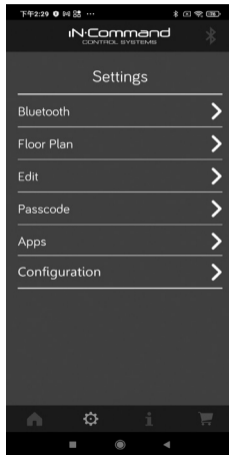
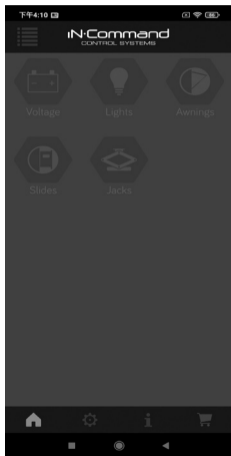


3. The mobile device now shows that the Switch Plate is connected. The Blue LED on the Switch Plate will stop flashing.



• Pairing Android Mobile Device to DC

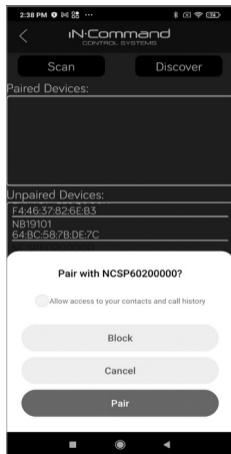
1. From the App Home Page select  Settings.
2. Select the "Bluetooth" tab.



3. Press Scan to start scanning for Unpaired devices. Locate the SP in the Unpaired Device list. Select the device by pressing it.



4. A Bluetooth pairing request will appear on the mobile device.
- 4.1 Press "Pair" on the mobile device.

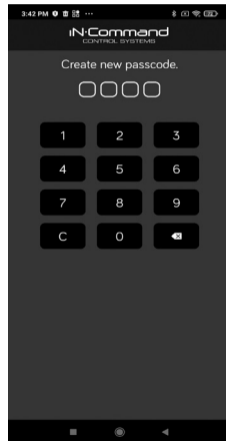


5. The Switch Plate will be displayed in the "Paired devices" list on the mobile App.



• Passcode Protection

A passcode is required to access the system. The first time the App is opened, the user is required to enter and confirm a new passcode.



• App configuration

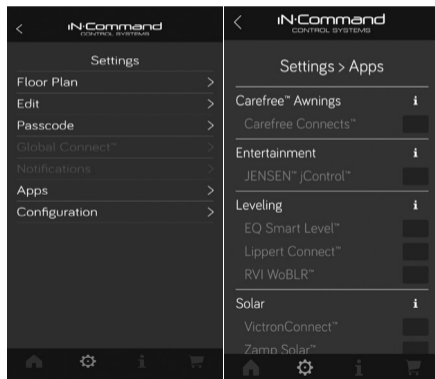
The iN-Command app is configurable. The user can select which functions are populated. Select the Settings icon at the bottom of the home page, then press the Configuration tab.

To select or deselect an item, press on the box next to the function. When an item is selected, a check mark will appear in the box.



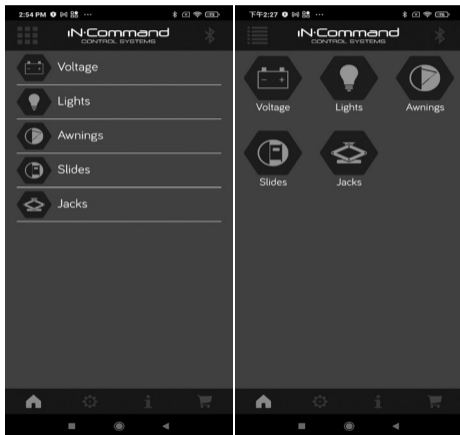
• Adding 3rd Party Apps.

3rd party apps can be added to the home page to provide a quick link to the apps. In the Settings page, select the Apps tab. Once in the App page, there are info icons that provides description of the app function and a link to the app on the app store. To add the app icon, press the box next to app title. A check mark will appear in the box indicating that it is selected. The app icon will now appear on the home page.



• Home Page Operation

From the home page, you can check the battery voltage, operate light controls, slide out functions, awning functions and jack functions.



• TROUBLE SHOOTING

Symptom	Solution
No power to the Switch Plate (SP).	Check +12V and Ground input connections on back of the Switch Plate.
	Verify power wires are connected to the 2-pin connector on the Body Control Module (BCM)
Body Control Module (BCM) is not powering on.	Check if the red power LED is off.
	Check the fuse in the distribution panel.
	Verify +12V on wire at pin 21. Verify Ground on wire at pin 22
Functions not operating from mobile app and battery voltage is displaying 0V.	Check to ensure RVC cable (4 pin connector) is connected properly at the SP and BCM.

If an issue is unable to be resolved using the above methods, contact ASA Electronics Technical Support at 800-688-3135 or email them at info@asaelectronics.com

• SPECIFICATIONS

NSCP60CM (Body Control Module)

Operating Voltage 12VDC

Maximum Current Draw 500mA@12VDC

NCSP60SP(Switch Plate)

Operating Voltage 12VDC

Maximum Current Draw 500mA@12VDC

System

EPROM Non-Volatile Memory YES

Bluetooth Version 4.0 BLE

General

Body Control Module ... 8.5" (W) x 5.8" (D) x 2.0" (H)

Switch Plate..... 4.0" (W) x 3.0" (D) x 1.1" (H)

• FEDERAL COMMUNICATIONS COMMISSION (FCC) STATEMENT

15.21

You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

15.105(b)

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 reasonable 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 particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined 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.

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 of the device.

FCC RF Radiation Exposure Statement:

- 1.This Transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
- 2.This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.
- 3.This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.



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