**INTRODUCTION**

The SmartJack, Cat. No. NE100, is used in conjunction with software provided by Leviton to enable control of a Leviton lighting system from a personal computer. This product allows messages to be transferred back and forth from a user’s personal computer to the LCnet system, allowing a user to have control of their own lights from the computer desktop. If there is a whole network of computers, then each person can control their own lights. To enable this, the computer connected to the SmartJack must be part of a network that supports HTTP.

**DESCRIPTION**

The SmartJack is a low-voltage Class II wiring device and installs in a regular wall box. There are two connections, a pluggable connector (on back of device) and a jack (on front of device) to use with the provided computer cable. The pluggable connector is used to connect the SmartJack to the LCnet system. The provided cable connects the SmartJack to the serial port of a personal computer. On one end of the cable there is a RJ-11 plug and on the other end a DB-9 connector. There are two LED indicators on the face of the SmartJack. These indicators are used to display the state of communication on each of the connectors. See the “To Operate” section for a description of the functions of the indicators.

**INSTALLATION INSTRUCTIONS**

To install:

1. **WARNING:** To avoid fire, shock, or death, turn off power at circuit breaker or fuse and test that power is off before wiring!
2. Remove existing wall plate and switch or dimmer, if applicable.
3. Connect per appropriate wiring diagram as follows: Insert each lead into appropriate plug location by pushing firmly (refer to Wiring Diagram 1). If using stranded wire, twist strands of each lead tightly (making sure that there are no stray strands) and push firmly into appropriate plug location. Tighten the screws on the plug making sure that no bare conductor shows. Connect plug into connector on the back of the SmartJack.

**LIMITED 2 YEAR WARRANTY AND EXCLUSIONS**

Leviton warrants to the original consumer purchaser and not for the benefit of anyone else that this product at the time of its sale by Leviton is free of defects in materials and workmanship under normal and proper use for two years from the date of purchase. If such defects occur, Leviton, at its option, shall either repair or replace such defective unit. If such defects are not discovered within such two-year period, then Leviton shall have no liability to the consumer purchaser for such defects. This warranty is void if the product has been altered, modified, or damaged through misuse, neglect, or accident. Leviton does not warrant the product if it is not used under normal operating conditions or if it is not used in accordance with the instructions for use. There are no other warranties, either express or implied, including merchantability and fitness for a particular purpose, but if an implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. This warranty excludes and there is disclaimed liability for labor for removal of this product or reinstallation. This warranty is void if this product is installed improperly or in an unhabitable environment, overloaded, misused, opened, abused, or altered in any manner, or if this product is not used under normal operating conditions or not in accordance with any labels or instructions. There are no other or implied warranties of any kind, including merchantability and fitness for a particular purpose, but if any implied warranty is required by the applicable jurisdiction, the duration of any such implied warranty, including merchantability and fitness for a particular purpose, is limited to two years. Leviton is not liable for incidental, indirect, or consequential damages, including any damage of equipment, lost sales or profits or delay or failure to perform. This warranty obligates the manufacturer to provide service only to the original consumer purchaser. No other person or entity is authorized to obligate the manufacturer in any manner with respect to the product. This warranty is void if this product is installed improperly, misused, opened, abused, or altered in any manner.

For Technical Assistance Call:
1-800-824-3005 (U.S.A. Only)
www.leviton.com

**FEATURES**

- Leviton’s Decora® Collection by Leviton
- Fits standard wall box
- Color conversion available
- Low-Voltage for easy installation
- Serial to RJ11 Cable included

**FCC COMPLIANCE STATEMENT**

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device must not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

**WARNING:** DISCONNECT POWER WHEN SERVICING FIXTURE OR CHANGING LAMPS.

**WARNING:** TO AVOID FIRE, SHOCK, OR DEATH; TURN OFF POWER AT CIRCUIT BREAKER OR FUSE AND TEST THAT POWER IS OFF BEFORE WIRING!

**CAUTION:** IF APPLICABLE, ENSURE THAT CIRCUIT CONDUCTORS ARE PROPERLY CAPPED OFF WITH WIRE CONNECTORS AND REMOVED FROM WALL BOX.

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4. Carefully position all wires to provide room in outlet box for SmartJack. Mount SmartJack into box with mounting screws supplied.

**NOTE:** The SmartJack mounting orientation is with the LED’s above the jack opening.

5. Replace wallplate as follows:
   - Remove ‘A’ tab when using standard Decora® wallplate (refer to Figure 1).
   - Leave ‘A’ tabs intact when using Decora® Screwless wallplate.

6. Restore power at circuit breaker or fuse.

7. Connect the DB-9 end of cable to the personal computer. Insert the RJ-11 (phone type) jack into the opening on the face of the SmartJack until the lever clicks into place. Install software on computer by following Software Installation Instructions. INSTALLATION IS COMPLETE.

**COLOR CONVERSION PROCEDURE**

The color of this device can be changed to suit your interior design requirements. Simply obtain a color conversion kit of the appropriate color from your Leviton distributor (a color conversion is supplied with the product). Proceed as follows (please note that wallplate must be removed).

1. Select the color of the face you desire.
2. The frame has snaps on its sides. Using a small screwdriver, gently remove the frame from the strap (refer to Figure 2).
3. Take the new frame and position it properly to the strap. Line up the plastic snaps with the square holes in the strap. Insert the snaps on one side of the frame into the strap.
4. Firmly press sideways and down to slip the other snaps into place. The frame snaps in with an audible click. Ensure that all four snaps are secure. Replace Decora® wallplate. The color conversion is complete.

**TO OPERATE**

**NOTE:** The LED’s will be lit ORANGE between 5 and 10 seconds after power is applied. The SmartJack begins operation when power is applied, and the connections are made. It does not require any user intervention to operate other than the Leviton Personal Dimmer and HTTP Server software interface. Refer to Users Guide.

**LED Indicators**

<table>
<thead>
<tr>
<th>LED</th>
<th>Position</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>RS-232</td>
<td>Right</td>
<td>Blink Red – message sent to computer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blink Green – message received from computer</td>
</tr>
<tr>
<td>LCNet Comm.</td>
<td>Left</td>
<td>Blink Red – message sent to LCNet</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Blink Green – message received from LCNet</td>
</tr>
</tbody>
</table>

**NOTE:** The SmartJack orientation is with the LED’s above the jack opening.

**TROUBLESHOOTING**

- If NO LED’s are lit after connecting the LCNet port; there is no power
  - Check wiring.
- If the client software is used to control the lights, but the Left LED does not blink green:
  - check Serial cable is connected to the computer
  - verify that the serial port works
- If a Controller is used to control the lights, and the Right LED does not blink green:
  - check wiring on the LCNet port
  - check wiring on the network wire pair


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**Wiring Diagram 1 - Single Station Application**

- **GND (Green)**
- **GND**
- **Not Used**
- **Not Used**
- **+24V DC (Green/White)**
- **+24V DC**
- **CAN-L (Blue/White)**
- **CAN-L**
- **CAN-H (Blue)**
- **CAN-H**

**Back of SmartJack**

- **GND (Green)**
- **CAN-L**
- **Not Used**
- **Not Used**
- **+24V DC (Green/White)**
- **+24V DC**

**To Power Pack**