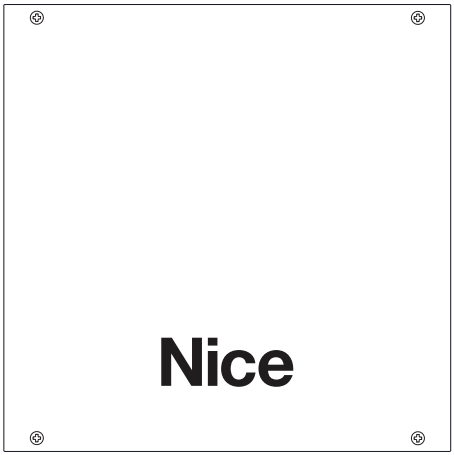
SH-CT-50



Shade Hub

Installation Guide

Nice

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Important Safety Instructions

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. **WARNING:** Do not use this apparatus near water. To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
6. Clean only with dry cloth.
7. Do not install near any heat sources such as radiators, heat registers, stoves or other apparatuses that produce heat.
8. Only use attachments or accessories specified by the manufacturer.
9. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

Introduction

The Nice SH-CT-50 is a Shade Hub for Nice motors. It supports the Smart series of wired motors, as well as Edge BD RF motors (Bi-Directional) with its built in antenna.

A SH-PW-10 Power Distribution panel is also available. This device supplies power (24VDC) as well as CAN bus (communication). Up to 5 can be linked to a single SH-CT-50.

NOTE: The SH-CT-50 is limited to 2000 feet of wire per system and a max of 50 motors.

Only use Nice shade wire (SH-NP-WIRE) for motors and power panel interconnections.

Included:

- Power Supply
- Phoenix Connector
- Antenna
- Screws

Mounting

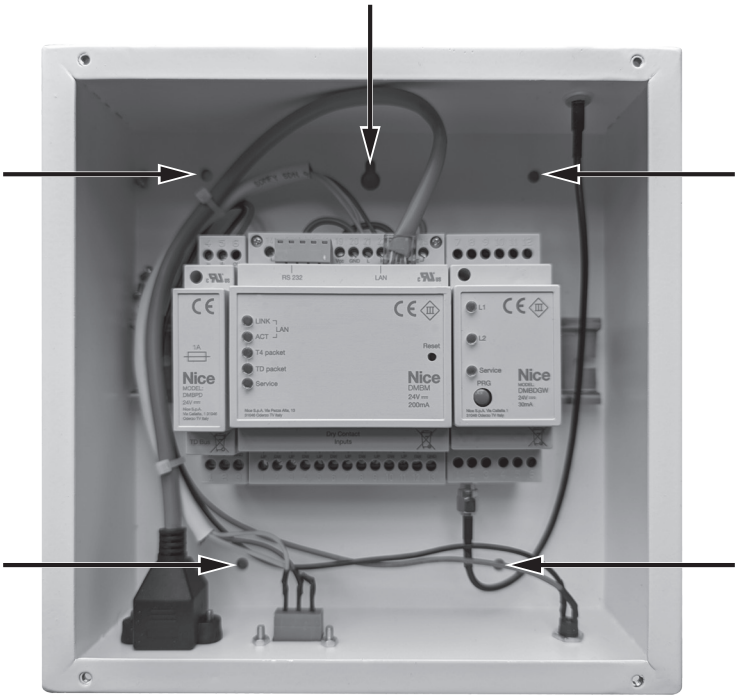
Place the SH-CT-50 in a conducive location.

Tips

Smart motors are typically run to one or several locations. Place a SH-CT-50 within 25 feet of the wire terminations. Maximum wire length between the SH-CT-50 and the SH-PW-10 is 25 feet. Multiple SH-CT-50 Shade Hubs may be used.

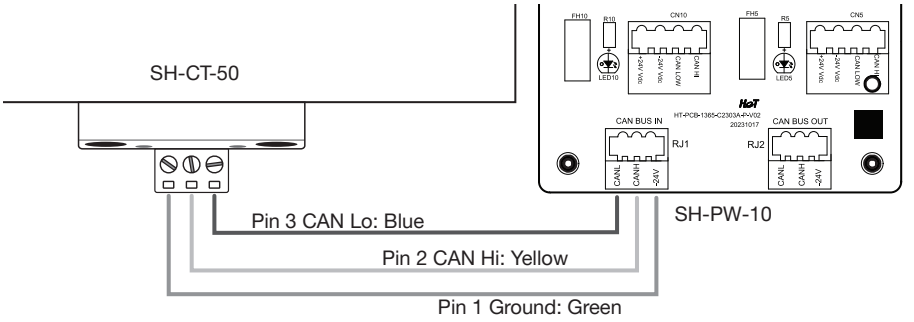
For Edge Motors: The first Edge motor must be within range of the antenna. Edge motors repeat the RF signal up to 5 times, so it's important that all are in range of another motor or within range of the SH-CT-50 Shade Hub that is used to provide coverage.

1. There are 4 holes and one keyhole that can be used to mount the panel.
2. If using the keyhole, mark the center hole and insert a screw.
   a. **If not mounting to a stud, use a sheetrock anchor.**
3. Level the panel and install two additional screws in the lower holes to keep the panel level.
4. If using four screws, mark the panel mounting holes level on wall.
5. Install anchors if needed.
6. Thread in screws through mounting holes into the wall behind.



Connecting

Once the SH-CT-50 is mounted, finish the connections. If connecting an SH-PW-10 for smart motors, connect the Nice wire as follows:

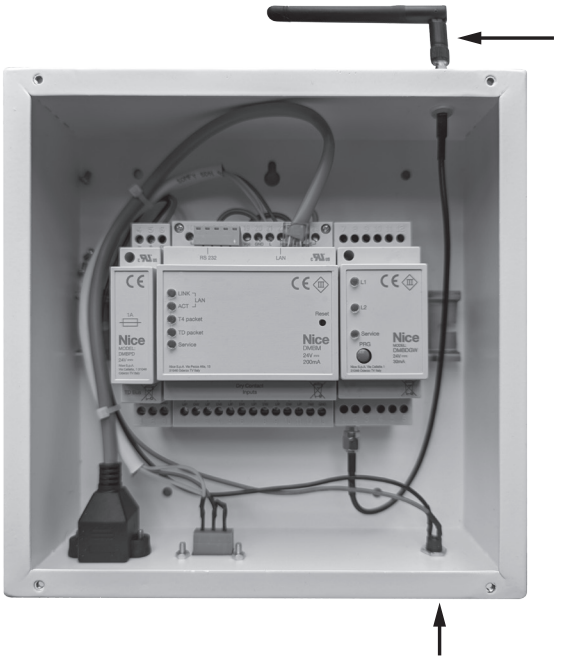


1. Attach the included antenna to the terminal on top of the panel.
2. Connect Ethernet.
3. If using smart motors, connect the CAN BUS connector on the SH-CT-50 to the CAN BUS In connector inside the SH-PW-10.

NOTE: Max wire length to a SH-PW-10 is 25 feet. Use only Nice wiring.

4. Connect the Power Supply by installing the power cord into the bottom right receptacle.

NOTE: The power cord will need to be screwed in. This will prevent the cord from being disconnected.



Configuring

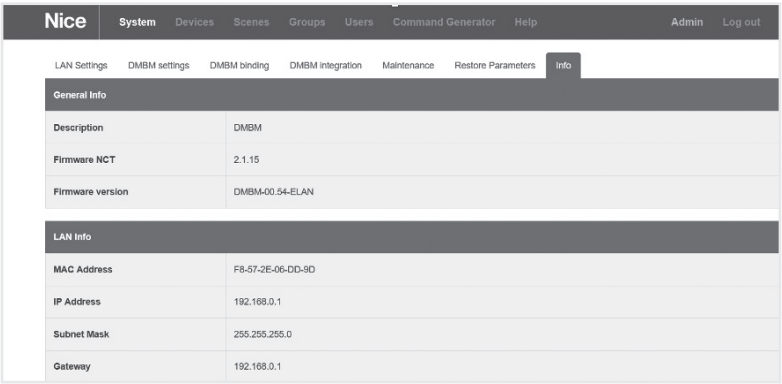
If integrating with Nice Home Management (NHM), see the Nice DMBM Integration Note for configuration details. If using without NHM, use the webGUI to add motors and configure.

Web GUI

1. Find the DMBM on the network.
2. On a web browser, enter the IP (DHCP out of the box).
3. Enter log in credentials.

Default Login: User = **admin**, Password: **12345**. You will be asked to change password after you log in.

System: Basic Settings



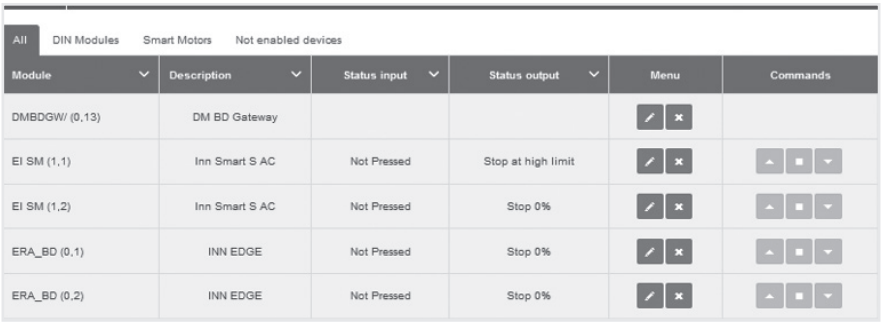
LAN Settings: Use to set a static IP or DHCP.

DMBM Settings: Create rooms.

DMBM Bindings: Actions based on the 6 NO/NC inputs

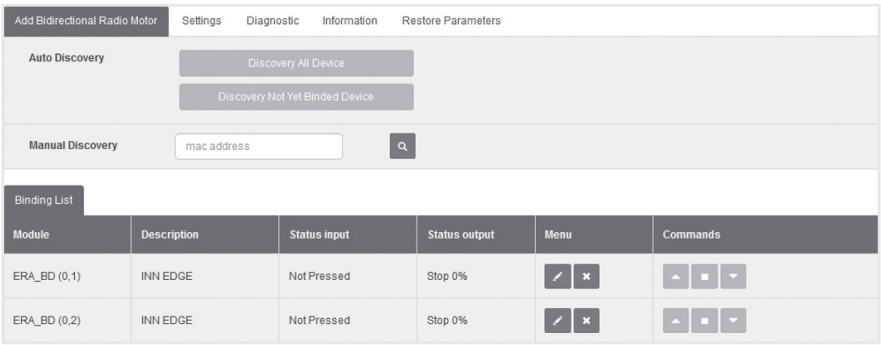
DMBM Integration: Select from a few options for the system in which you are integrating.

Maintenance: Time modes

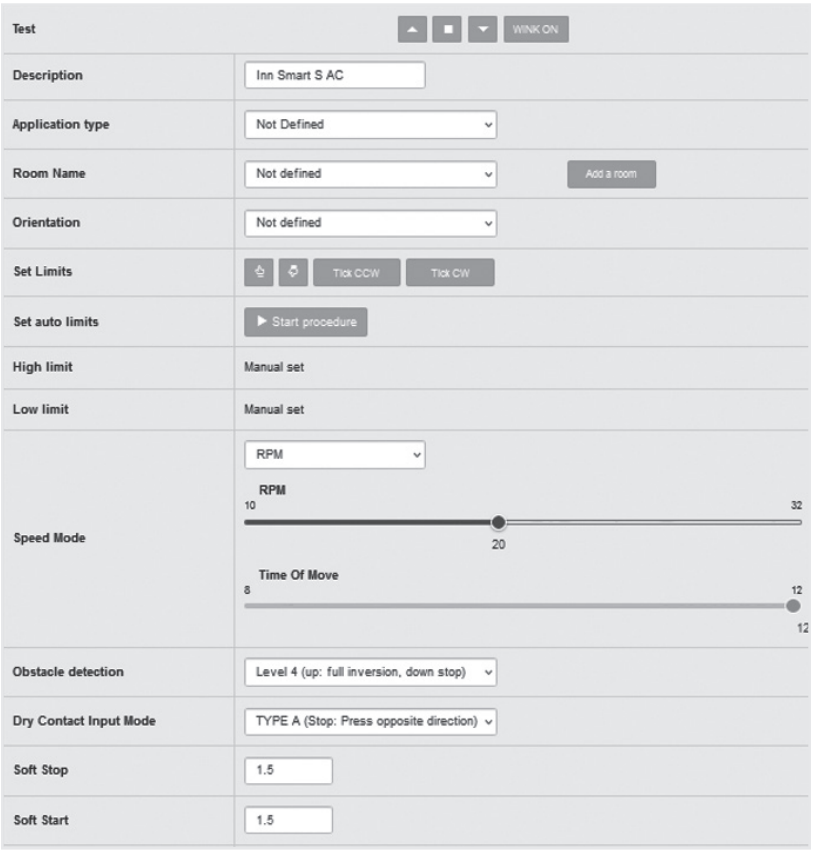


All : Shows the connected devices, motors and modules. Click on the pencil to access that device's configuration menu.

DIN Modules : Will list just the DIN models present and connected to the DMBM. Will also list Edge motors found from the DMBDGW.



Smart motor : List the smart motors. By clicking the pencil, you will get he options for each, including the upper and lower limit settings, motor speed, direction, obstacle detection, soft start and stop, etc.



Not enabled devices: Will list the devices found but not enable. It also has options to Rescan Modules and rescan motors.

Scenes: Create new scenes or edit existing scenes based on the time and day.

Groups: Create or edit groups of motors, so the shades in a room move together.

Users: Enables access

FCC and IC Information

This Class B digital apparatus complies with Part 15 of the FCC rules and with Canadian ICES-003 and RSS-247.

Cet appareil numérique de classe B est conforme à la partie 15 des règles de la FCC et aux normes canadiennes ICES-003 et RSS-247.

Operation is subject to the following two conditions:

1. This device may not cause interference and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the Federal Communications Commission (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.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

FCC and IC Registrations

FCC ID: PMLDMBDGW	Max Power: 95.22 dBuV/m @ 3m (PK)
IC ID: 6140A-DMBDGW	Max Power: 72.84 dBuV/m @ 3m (AV)
HVIN: DMBDGW	Frequency: 433.92 MHz

CAN ICES-003 (B) / NMB-003 (B)

Warning:

Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC and IC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the exemption from the routine evaluation limits in section 2.5 of RSS 102.

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.

FCC/IC RF Radiation Exposure Statement

FCC / IC RF Radiation Déclaration d'exposition

Caution:

This Transmitter must be installed to provide separation distance of at least 20cm from all persons.

Attention:

Cet émetteur doit être installé pour fournir une distance de séparation d'au moins 20 cm de toute personne.

Warning:

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102, and users can obtain Canadian information on RF exposure and compliance from Nice Canada at (514) 822-1116.

2 Year Warranty

This Nice product is warranted to the original consumer against defects in material and workmanship by Nice North America LLC:

This product is warranted to the original consumer against defects in material and workmanship for the periods mentioned above. Nice North America will repair, or at its option, replace, any device that it finds requires service under this warranty, and will return the repaired or replaced device to the consumer at Nice North America's cost. Devices must be sent to Nice North America for service at owner's expense. This warranty does not apply to damage to the product from negligence, abuse, abnormal usage, misuse, accidents, normal wear or tear or due to failure to follow Seller's instructions, or arising from improper installation, storage or maintenance. In no event will Nice North America be responsible for incidental, compensatory, punitive, consequential, indirect, special or other damages. The remedies provided by this warranty are exclusive. Some states do not allow the exclusion or limitation of incidental and consequential damages, so the above limitation or exclusion may not apply to you. Any warranties implied by law are limited to the time periods set forth above. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

For warranty service and shipping instructions please contact Nice North America Technical Services at 760-438-7000. Prior to a Return Authorization number being approved and generated, troubleshooting will be required with a Nice North America technical services representative. In order to be protected by this warranty, save your proof of purchase or formal bill of sale as it may be required should service be needed. Contact Nice North America Technical Services for troubleshooting and consideration of a Return Authorization and other important details. For additional information on our warranty policies please reference **https://niceforyou.support/**

Technical Support:
760-438-7000

Technical Support Hours:
M – F, 6:00 a.m. – 4:00 p.m. PST

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