



Installing the Outdoor Base Station

Link Wireless Telephone System

Part Number: 72-0050-00
Issue D
Supplement to: 72-0075-01 and 72-0059-01

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SpectraLink Corporation 5755 Central Avenue Boulder, CO 80301 303 440 5330 or 800 676 5465 www.spectralink.com

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WARNING: Changes or modifications to this equipment not approved by SpectraLink Corporation may cause this equipment to not comply with part 15 of the FCC rules and void the user's authority to operate this equipment.



WARNING: SpectraLink products contain no user-serviceable parts inside. Refer servicing to qualified service personnel.



IMPORTANT SAFETY INFORMATION

Follow these general precautions while installing telephone equipment:

- Never install telephone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.
- Use caution when installing or modifying telephone lines
- When installing Base Stations outside or in buildings other than the one containing the System Controller, take the following precaution:
If wiring for a Base Station exits a building—whether to reach an outdoor Base Station location or to reach a Base Station in another building—the wiring must be protected at both ends by a Quick Clip Fuse from Illinois Tool Works, Linx Division, model number SCP-2X2. The Quick Clip Fuse replaces the bridging clips on the 66 blocks for all four connections to the non-internal Base Station.

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1. About This Document

The Outdoor Base Station is designed to withstand environmental hazards such as rain and excessive heat and cold. The outdoor enclosure is mounted into position and the Base Station is then installed within it. The entire unit is then referred to as an Outdoor Base Station.

This document covers the installation of the Outdoor Base Station in a variety of situations. It supplements the installation documentation for the Link Wireless Telephone System using either the Link 3000 MCU or the Link 150 M3 MCU.

1.1 SpectraLink Corporation Model Numbers

This document covers the following registered model numbers:

RCC400, RCO400, RCU100, RCU200, RCU201

1.2 Related Documents

Link 150 M3 MCU: Installation and Operation (72-0075-01)

Link 3000 MCU: Installation (72-0059-01)

Available at <http://www.spectralink.com/consumer/resources/manuals.jsp>.

1.3 Contacting SpectraLink

SpectraLink wants every customer to have a successful installation. Please refer questions to the Customer Support Hotline at (800) 775-5330. The hotline is open Monday through Friday, 6 a.m. to 6 p.m. Mountain time.

1.4 Icons and Conventions

This manual uses the following icons and conventions.



Caution! Follow these instructions carefully to avoid danger.



Note these instructions carefully.

NORM

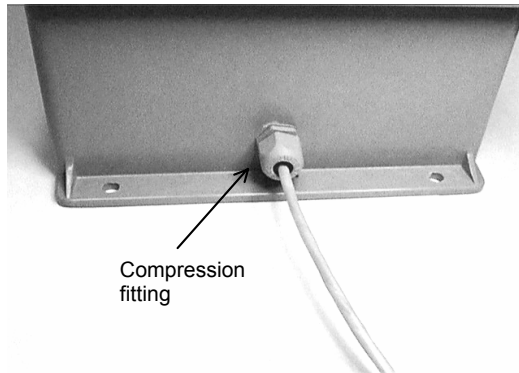
This typeface indicates a key, label, or button on SpectraLink hardware.

2. Installing Flush Against a Wall or Hard Ceiling

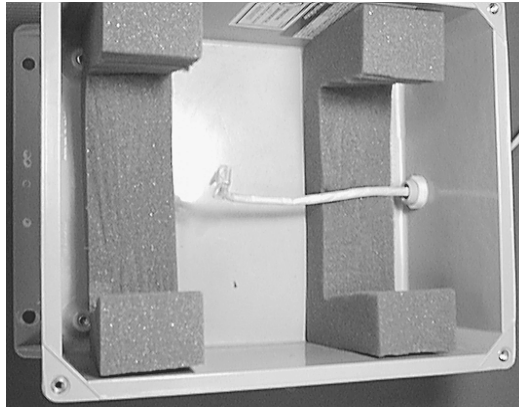
Items provided: Outdoor enclosure, Base Station

Items needed: 4 anchor bolts (length and type depends on wall or ceiling material Base Station is being mounted to)

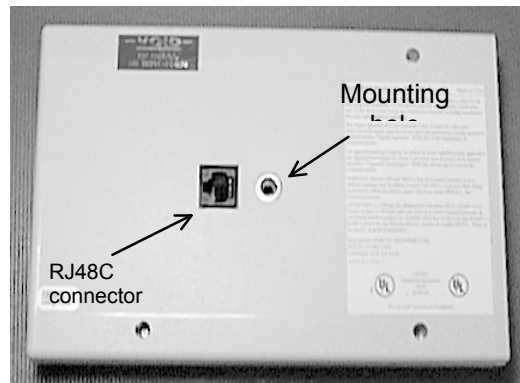
1. Mark and drill 4 holes into the wall or ceiling, using the mounting flanges of the outdoor enclosure as a guide.
2. Mount outdoor enclosure to wall or ceiling using anchor bolts. The outdoor enclosure can be mounted with the compression fitting in any direction.
3. Slide the Base Station cable through the compression fitting and tighten fitting.



4. Crimp an RJ45 onto the Base Station cable using the same wiring guide as the indoor Base Station.



5. Plug the RJ45 into the RJ48C connector.



6. Place the Base Station into the enclosure with the side of the Base Station with the mounting hole facing the wall or ceiling. The Base Station should fit tightly into the foam blocks.



7. Screw the outdoor enclosure lid back onto the enclosure.

3. Installing on an I-Beam

Items provided : Outdoor enclosure, Base Station

Items needed : 4 - "Caddy" or "B-Line" 3/8" Beam Clamps
4 - 1/2" 1/4" x 20 bolts
4 - 2" 1/4" x 20 bolts
4 - 1/4" x 20 nuts

1. Attach a beam clamp to the center of the top and bottom flanges on the outdoor enclosure.
2. Attach a second beam clamp to each of the beam clamps on the enclosure using a 1/2" 1/4" x 20 bolt and a nut. (See Picture Below)
3. Attach the outdoor enclosure to I-Beam using the beam clamps attached in step 2.



See figures in Section 2 for pictorial data for the remaining steps:

4. Slide the Base Station cable through the compression fitting and tighten the fitting.
5. Crimp on RJ45 onto the Base Station cable using the same wiring guide as the indoor Base Station.
6. Plug the RJ45 into the RJ48C connector.
7. Place the Base Station into the enclosure with the side of the Base Station with the mounting hole facing the I-beam. The Base Station should fit tightly between the foam.
8. Screw the outdoor enclosure lid back onto the enclosure.

4. Installing on a Light Pole or Electrical Pole

Items provided: Outdoor enclosure, Base Station

Items needed: 4 - “Caddy” or “B-Line” 3/8” Beam Clamps
2 - EOG 100 or Equivalent Band Clamps

1. Attach one band to the top flange of the outdoor enclosure using 2 beam clamps (see the figure below).



2. Attach the second band to the bottom flange of the enclosure using the remaining 2 beam clamps.
3. Wrap the band clamps around the pole and tighten using the screw on the band clamps.

See figures in Section 2 for pictorial data for the remaining steps:

4. Slide the Base Station cable through the compression fitting and tighten the fitting.
5. Crimp an RJ45 onto the Base Station cable using the same wiring guide as the indoor Base Station.
6. Plug the RJ45 into the RJ48C connector.
7. Place the Base Station into the enclosure with the side of the Base Station with the mounting hole facing the pole. The Base Station should fit tightly between the foam.
8. Screw the outdoor enclosure lid back onto the enclosure.