



Power

The included AC adapter should be connected to the POWER jack on the ProLink.z. Use only the supplied AC adapter to power the ProLink.z. Using a different power adapter could result in damage to the unit or poor performance.

Adjusting IR Output level

The IR output level can be independently adjusted for each of the output ports. The ProLink.z is shipped with the IR gain set to the optimum level for most equipment, and it should only need to be adjusted if the attached equipment is not responding reliably. If adjustment is needed, rotate the IR output controls on the frontside of the unit clockwise for higher output power, or counter-clockwise for lower output power.

USB Port

Used to program the ProLink.z and/or update its firmware.

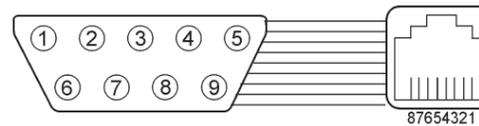
Ethernet

This RJ-45 port allows connection to a 10/100 Base-T Ethernet network (LAN) for programming control, and two-way communication with compatible devices. Network settings such as the IP address are configurable within Pro Control Studio.

Connecting IR Emitters To Output Ports

The IR emitter ports on the ProLink.z are compatible with industry standard infrared emitters and connecting blocks. Each output port is capable of driving up to four infrared emitters directly. More than four infrared emitters per port requires an amplified connecting block. A connecting block can be wired up to 500 feet (150 meters) away from the unit using #22 AWG (minimum) wire.

RJ-45 to DB-9 Pinout



Mounting

The ProLink.z can be wall mounted (details below) or free standing.

Mounting Instructions

To mount to a wall, shelf, or cabinet use the enclosed mounting plate.

- Level and anchor the mounting plate to desired wall, shelf, or cabinet by screwing appropriate wall, shelf, or cabinet fasteners (four #6-32 3/4" flathead screws included) through the mounting plate fastener holes.
- When mounting the ProLink.z, be certain to choose a safe location (e.g. away from electrical junction boxes, circuit breakers, wet locations, etc.)
- Affix the ProLink.z to the mounting plate by placing the channel locks located on the rear of the unit over the channel lock clips located on the front of the mounting plate. Slide the ProLink.z down until the channel lock clips lock into place.

DB-9 Connector Pin Out

Pin	Signal Name	Signal Description
1	DCD	Carrier Detect
2	RXD	Receive Data
3	TXD	Transmit Data
4	DTR	Data Terminal Ready
5	GND	Signal Ground/Common
6	DSR	Data Set Ready
7	RTS	Request To Send
8	CTS	Clear To Send
9	NC	Not Connected

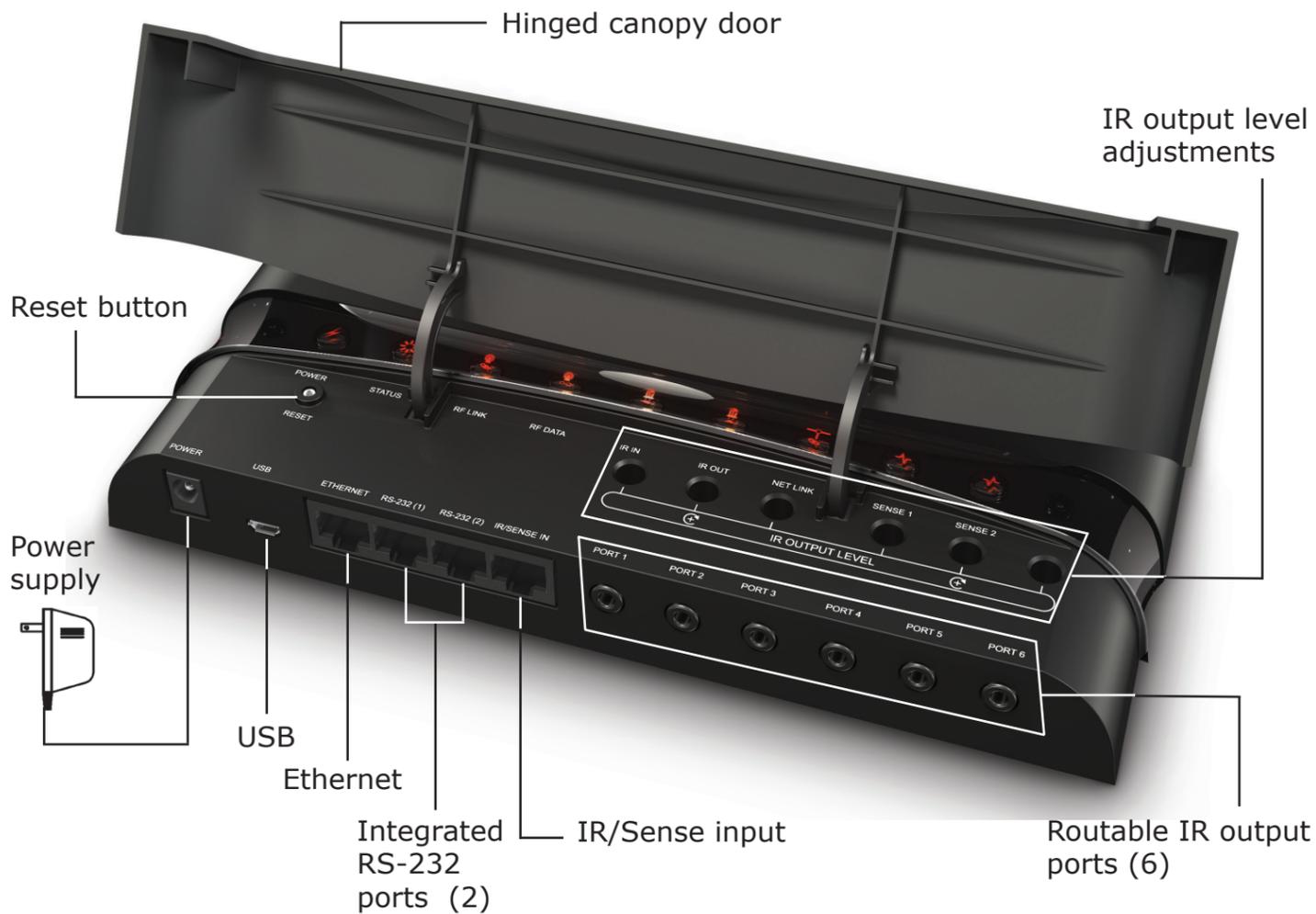
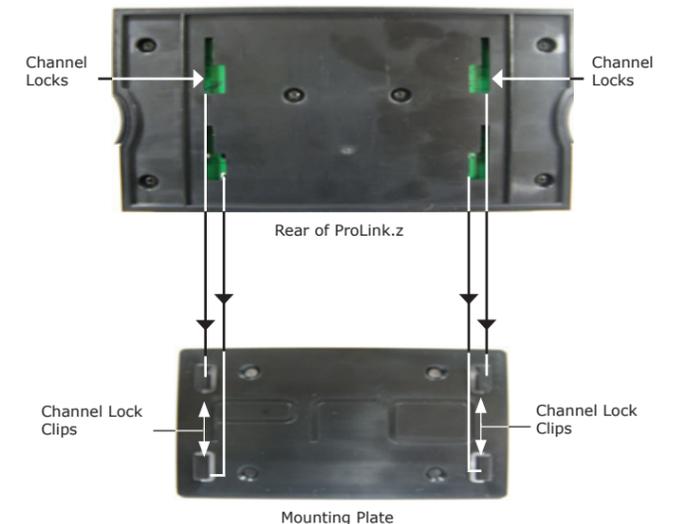
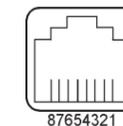
RJ-45 Connector Pin Out

Pin	Signal Name	Signal Description
1	DSR	Data Set Ready
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7	CTS	Clear To Send
8	RTS	Request To Send

Sense Input

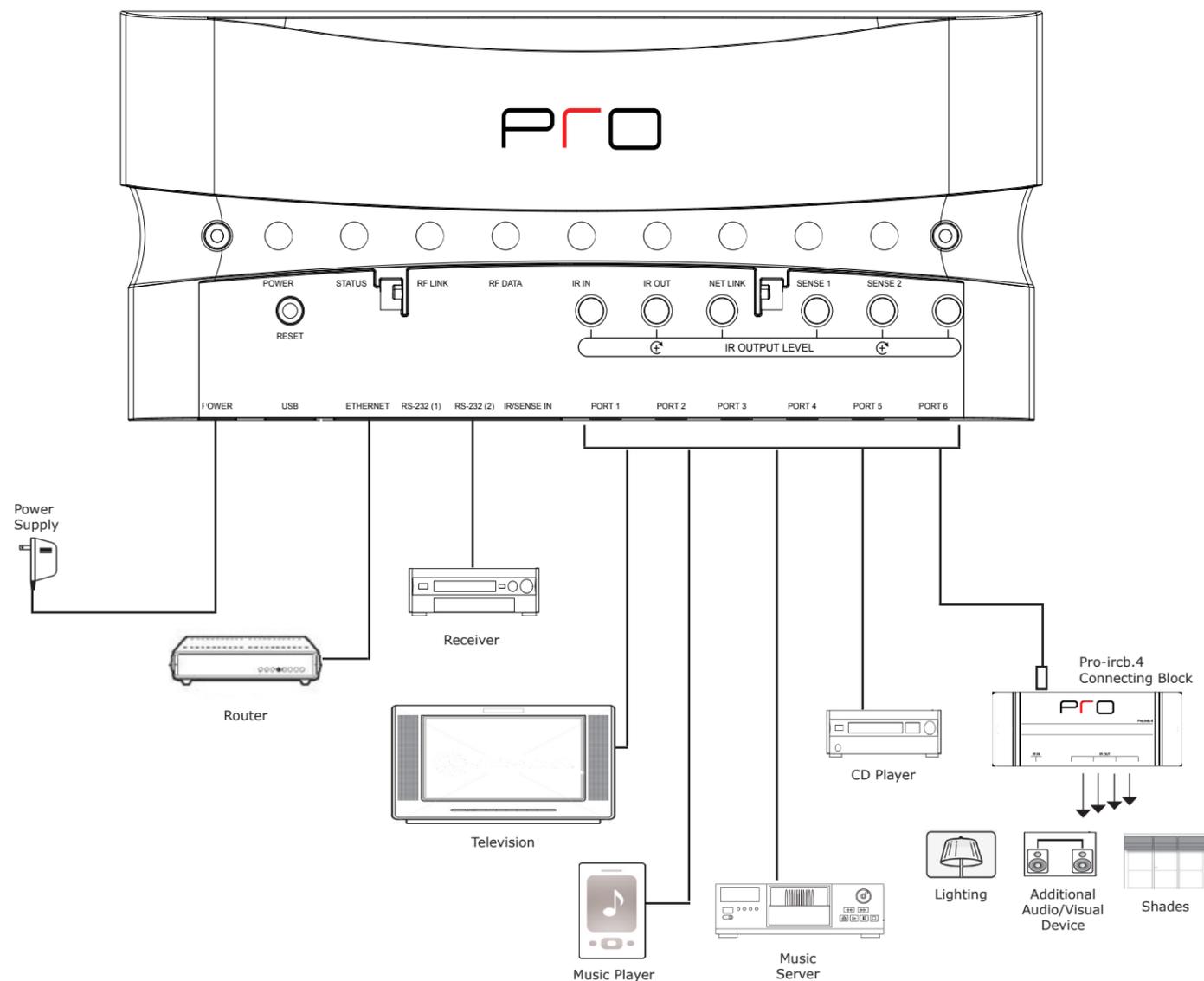
RJ-45 Connector Pin Out

Pin	Signal Description
1	Sense 1 } 3-24 VDC
2	Sense 2 }
3	IR-in (future use)
4	+12 VDC in/out
5	+12 VDC in/out
6	IR-in (future use)
7	Ground
8	Ground



Connection Options Diagram

The following diagram illustrates some of the ProLink.z connection options.



Programming the ProLink.z

Please note that the ProLink.z must be programmed to operate. All programming is done using the Pro Control Studio software and is downloaded using the USB port. After the Ethernet parameters are configured, system files can be downloaded over Ethernet.

The software allows you to create actions (e.g. commands and macros) that are associated with button presses on the Pro Control Pro24.z remote control. The software transparently creates all of the system trigger codes, and generates the correct download for every device in the system. Unless you implement some of the software's advanced features, programming a system that uses a ProLink.z is just as easy as programming one that doesn't.

Service & Support

If you are encountering any problems or have a question about your Pro Control product, please contact Pro Control Technical Support for assistance (see the Contacting Pro Control section of this guide for details).

Pro Control provides technical support by telephone or e-mail. For the highest quality service, please have the following information ready, or provide it in your e-mail.

- Your Name
- Company Name
- Telephone Number
- E-mail Address
- Product model and serial number (if applicable)

If you are having a problem with hardware, please note the equipment in your system, a description of the problem, and any troubleshooting you have already tried.

If you are having a problem with software, please note what version you have installed, the operating system on your PC, a description of the problem, and any troubleshooting you have already tried. If you are calling about a software or programming question or problem, please be at your computer when you place your call. This will considerably speed up the troubleshooting process.

Please do not return products to Pro Control without return authorization.

Federal Communications Commission Notice

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. Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the device.

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 the 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.
2. This device must accept any interference received including interference that may cause undesired operation.

FCC Contains FCC ID: **MMURTI1800**

Contains IC (Canada): **3166A-RTI1800**



Declaration of Conformity

The Declaration of Conformity for this product can be found on the Pro Control website at: www.procontrol.com

Safety Suggestions

Read Instructions. Read all safety and operating instructions before operating the unit.

Retain Instructions. Keep the safety and operating instructions for future reference.

Heed Warnings. Adhere to all warnings on the unit and in the operating instructions.

Follow Instructions. Follow operating instructions and instructions for use.

Heat. Keep the unit away from heat sources such as radiators, heat registers, stoves, etc., including amplifiers that produce heat.

Power Sources. Connect only to the power supply that was included with the unit.

Power Cord Protection. Route power supply cords so that they are not likely to be walked on or pinched by items placed on or against them, paying particular attention to the cords at plugs, at convenient receptacles, and at the point at which they exit from the unit.

Water and Moisture. Do not use the unit near water—for example, near a sink, in a wet basement, near a swimming pool, near an open window, etc.

Object and Liquid Entry. Do not allow objects to fall or liquids to be spilled into the enclosure through openings.

Cleaning. Clean only with a dry cloth.

Servicing. Do not attempt any service beyond that described in the operating instructions. Refer all other service needs to qualified service personnel.

Damage Requiring Service. The unit should be serviced by qualified service personnel when:

- Objects have fallen or liquid has been spilled into the unit.
- The power supply cord or the plug has been damaged.
- The unit does not appear to operate normally or exhibits a marked change in performance.
- The unit has been dropped or the enclosure has been damaged.

Limited Warranty

Pro Control warrants its products for a period of one (1) year (90 days only for included battery packs); or for a period of time compliant with local laws when applicable from the date of purchase from Pro Control or an authorized Pro Control distributor.

This warranty may be enforced by the original purchaser and subsequent owners during the warranty period, so long as the original dated sales receipt or other proof of warranty coverage is presented when warranty service is required.

Except as specified below, this warranty covers all defects in material and workmanship in this product. The following are not covered by the warranty:

Damage resulting from:

1. Accident, misuse, abuse, or neglect.
2. Failure to follow instructions contained in this Guide.
3. Repair or attempted repair by anyone other than Pro Control.
4. Failure to perform recommended periodic maintenance.
5. Causes other than product defects, including lack of skill, competence or experience of user.
6. Shipment of this product (claims must be made to the carrier).
7. Being altered or which the serial number has been defaced, modified or removed.

Contacting Pro Control

Pro Control is a division of Remote Technologies Inc. For news about the latest updates, new product information, and new accessories, please visit our web site at:

www.procontrol.com

For general information, you can contact PRO Control at:

Pro Control
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Shakopee, MN 55379
Tel. (952) 224-5010
info@procontrol.com

WARNING!

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THE UNIT TO RAIN OR MOISTURE.