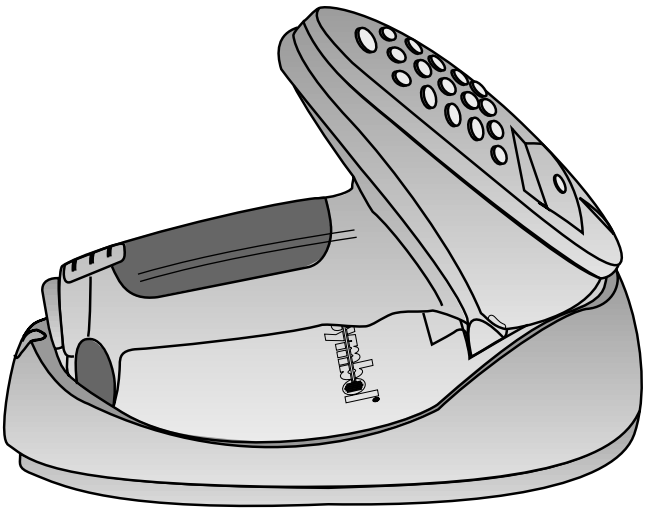
QRG

PL 360/460 Cradle



symbol®

Symbol Technologies, Inc.
One Symbol Plaza
Holtsville, N.Y. 11742-1300
http://www.symbol.com

Patents

This product is covered by one or more of the following U.S. and foreign Patents:
U.S. Patent No. 4,460,120; 4,496,831; 4,593,186; 4,603,262; 4,607,156; 4,652,750; 4,673,805; 4,736,095; 4,758,717; 4,816,660; 4,845,350; 4,896,026; 4,897,532; 4,923,281; 4,933,538; 4,992,717; 5,015,833; 5,017,765; 5,021,641; 5,029,183; 5,047,617; 5,103,461; 5,113,445; 5,130,520; 5,140,144; 5,142,550; 5,149,950; 5,157,687; 5,168,148; 5,168,149; 5,180,904; 5,216,232; 5,229,591; 5,230,088; 5,235,167; 5,243,655; 5,247,162; 5,250,791; 5,250,792; 5,260,553; 5,262,627; 5,262,628; 5,266,787; 5,278,398; 5,280,162; 5,280,163; 5,280,164; 5,280,498; 5,304,786; 5,304,788; 5,306,900; 5,321,246; 5,324,924; 5,337,361; 5,367,151; 5,373,148; 5,378,882; 5,396,053; 5,396,055; 5,399,846; 5,408,081; 5,410,139; 5,410,140; 5,412,198; 5,418,812; 5,420,411; 5,436,440; 5,444,231; 5,449,891; 5,449,893; 5,468,949; 5,471,042; 5,478,998; 5,479,000; 5,479,002; 5,479,441; 5,504,322; 5,519,577; 5,528,621; 5,532,469; 5,543,610; 5,545,889; 5,552,592; 5,557,093; 5,578,810; 5,581,070; 5,589,679; 5,589,680; 5,608,202; 5,612,531; 5,619,028; 5,627,359; 5,637,852; 5,664,229; 5,668,803; 5,675,139; 5,693,929; 5,698,835; 5,705,800; 5,714,746; 5,723,851; 5,734,152; 5,734,153; 5,742,043; 5,745,794; 5,754,587; 5,762,516; 5,763,863; 5,767,500; 5,789,728; 5,789,731; 5,808,287; 5,811,785; 5,811,787; 5,815,811; 5,821,519; 5,821,520; 5,823,812; 5,828,050; 5,850,078; 5,861,615; 5,874,720; 5,875,415; 5,900,617; 5,902,989; 5,907,146; 5,912,450; 5,914,478; 5,917,173; 5,920,059; 5,923,025; 5,929,420; 5,945,658; 5,945,659; 5,946,194; 5,959,285; 6,002,918; 6,021,947; 6,047,892; 6,050,491; 6,053,413; 6,056,200; 6,065,678; 6,067,297; 6,068,190; 6,082,621; 6,084,528; 6,088,482; 6,092,725; 6,101,483; 6,102,293; 6,104,620; 6,114,712; 6,115,678; 6,119,944; 6,123,265; 6,131,814; 6,138,180; 6,142,379; D305,885; D341,584; D344,501; D359,483; D362,453; D363,700; D363,918; D370,478; D383,124; D391,250; D405,077; D406,581; D414,171; D414,172, D418,500; D419,548; D423,468; D424,035 D431,158; D430,159; D431,562.
Invention No. 55,358; 62,539; 69,060; 69,187 (Taiwan); No. 1,601,796; 1,907,875; 1,955,269 (Japan).
European Patent 367,299; 414,281; 367,300; 367,298; UK 2,072,832; France 81/03938; Italy 1,138,713.
rev. 09/00

The PhaserLink PL 360/460 Cradle acts as a stand, host communication interface, and a charger for the Phaser Scanner. It can sit on a desktop or be wall-mounted - whichever is more convenient.
The cradle receives data from the scanner via connectors in the bottom of the scanner and the top of the cradle. It then transmits that data to the host device through an attached cable.
The cradle also provides power for charging the scanner's battery pack (in the scanner). The cradle has a charge status indicator light.

There are two versions of the cradle available:

- PL 460 Cradle: the batch retail version
- PL 360 Cradle: the batch industrial version

This *Quick Reference Guide* provides basic instruction on the set up and use of the cradle. Unless otherwise noted, the term PhaserLink refers to all versions of the cradle.

Equipment Supplied

The equipment supplied is:

- Two Screws (for wall mounting)
- One Velcro Strip (for desk mounting)
- Four Rubber Feet (for desk mounting)
- This Guide
- Cradle

Save the shipping container for storing or shipping. Inspect all your equipment for damage. If anything is damaged or missing, call your authorized Customer Support Representative immediately.

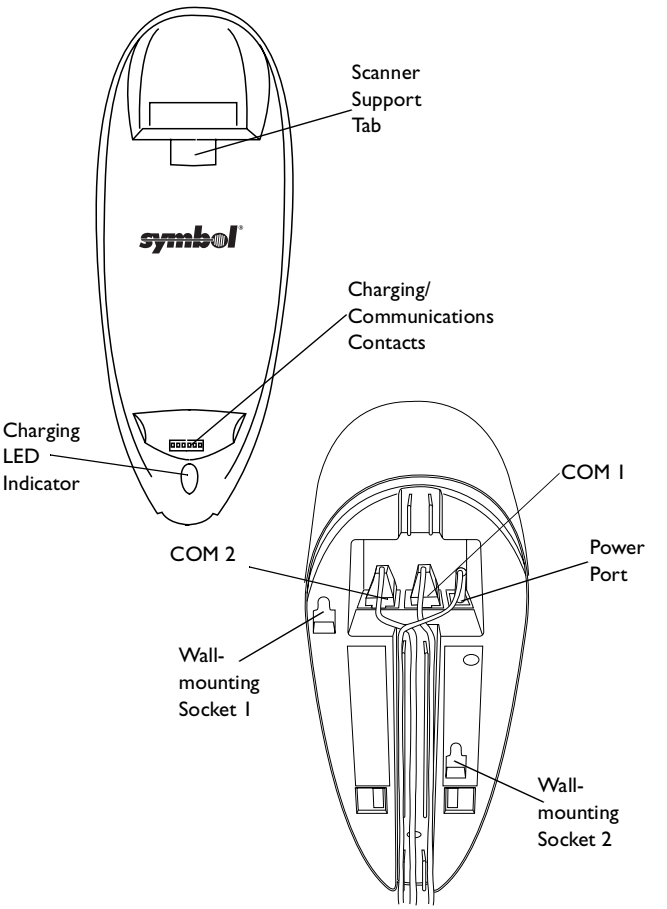
Related Documentation

Phaser Series Scanner Product Reference Guide,
p/n 70-33629-xx

P 360/460 Memory Scanner Quick Reference Guide,
p/n 70-33628-xx

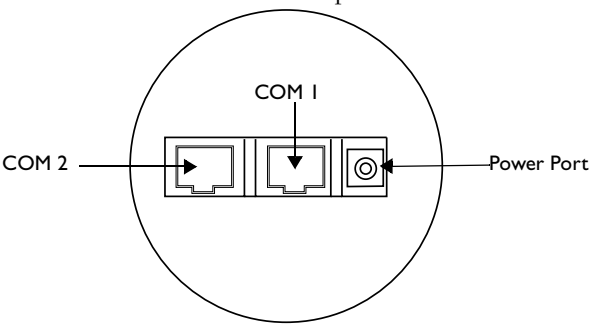
Parts of the Cradle

This figure shows the parts of the PhaserLink Cradle:



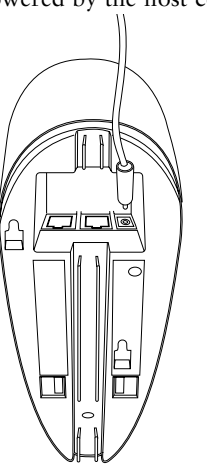
Connecting To The Host

On the bottom of the cradle are three ports -



COM 1 connects to the host computer, COM 2 is used for daisy-chaining multiple cradles together, and the Power Port supplies power to the cradle.

1. Insert the independent power plug into the Power Port (the cradle cannot be powered by the host computer).



2. Insert the cable from the host computer into COM 1 and the cable to the other cradles, if any, into COM 2.

Daisy-Chaining

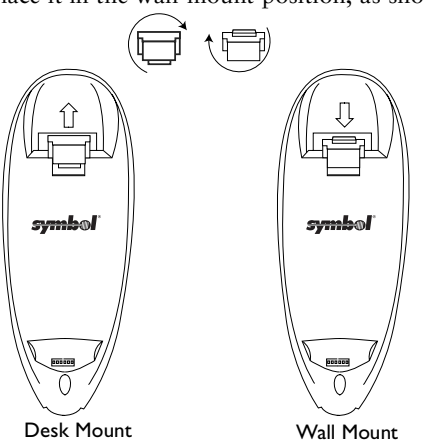
Note: The cradle supports daisy-chaining when connected to a serial host and not when using Synapse interfaces.

To daisy-chain two or more cradles together, connect COM 1 of the first cradle to the host and COM 2 to COM 1 of the second cradle. Then connect COM 2 of the second cradle to COM 1 of the third cradle. You can daisy-chain up to 12 cradles to one host in this manner.

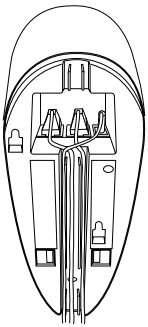
Wall Mounting

Before wall-mounting the cradle, the scanner support tab must be changed from the desk-mount position to the wall-mount position.

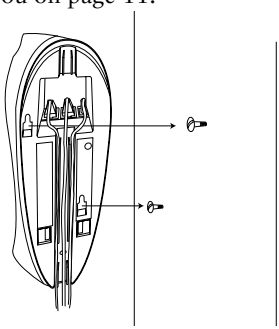
1. Lift the scanner support tab out of the top part of the cradle and replace it in the wall-mount position, as shown:



2. Seat the cables from the bottom of the cradle in the grooves along the length of it so that the bottom of the cradle is smooth and flat, as shown:



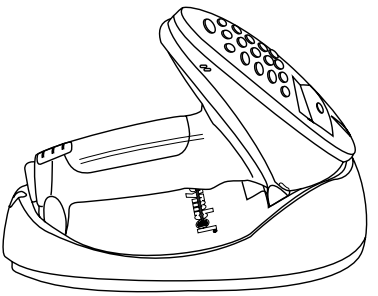
3. Secure two screws (included) to the wall. A template is provided for you on page 11.



4. Fasten the screws into the wall where the cradle will hang, leaving about 1/8" (.3 cm) of the screw outside the wall so that the cradle will have something to hang on.
5. Place the cradle over the screw heads and slide down until it fits into place. Slight pressure upwards should not move the cradle.
6. Place the Phaser in the cradle.

Inserting Phaser in the Cradle

Place the Phaser scanner in the cradle so that the top of the scanner sits in the larger part of the cradle and the metal contacts on the bottom of the scanner touch the contacts on the cradle, like so:



Sending Data to Host Computer

To set up the PhaserLink Cradle for communications between a Phaser and a host computer:

1. Connect the cradle to the host computer as described in *Connecting To The Host* on page 3.
2. Insert the Phaser in the cradle.
3. Start the communications program on the host computer and the Phaser.

Recharging the Battery in the Phaser

1. Connect the cradle to a receptacle supplying AC power of the proper voltage level.
2. Place the scanner in the cradle, ensuring the metal contacts on the bottom of the scanner touch the contacts on the cradle.
3. A complete charge takes up to 4 hours, depending upon the remaining charge in the battery of the scanner.

Indicator LED

Once the scanner is placed in the cradle, it will wait 15 minutes to start charging the battery in the scanner. The LED blinks in a specific pattern to show what the cradle is doing:

Off	The scanner is not in the cradle
Slow Blink	Scanner is in cradle, not charging
Fast Blink	Scanner is in cradle, charging
On	Scanner is in cradle, charge cycle is complete

Troubleshooting

If the cradle does not work after you've followed these operating instructions:

- Check the system power.
- Check for loose cable connections.
- Check the scanner is sitting properly in the cradle.

Cleaning

Wipe the cradle periodically with a lens tissue or other material suitable for cleaning optical material, such as eyeglasses.

Caution: Do not pour, spray or spill any liquid on the cradle.

Regulatory Information

Radio Frequency Interference Requirements

This device has been tested and found to comply with the limits for a Class B digital device pursuant to Part 15 of the Federal Communications Commissions Rules and Regulation. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

However, there is no guarantee that interference will not occur in a particular installation. If the 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:

- Re-orient 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 which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Radio Frequency Interference Requirements - Canada

This Class B digital apparatus meets the requirements of the Canadian Interference-Causing Equipment Regulations.

Cet appareil numérique de la Classe A respecte toutes les exigences du Reglement sur le Materiél Brouilleur du Canada.

CE Marking and European Union Compliance

Products intended for sale within the European Union are marked with the CE Mark which indicates compliance to applicable Directives and European Normes (EN), as follows. Amendments to these Directives or ENs are included:

Applicable Directives

- Electromagnetic Compatibility Directive 89/336/EEC
- Low Voltage Directive 73/23/EEC

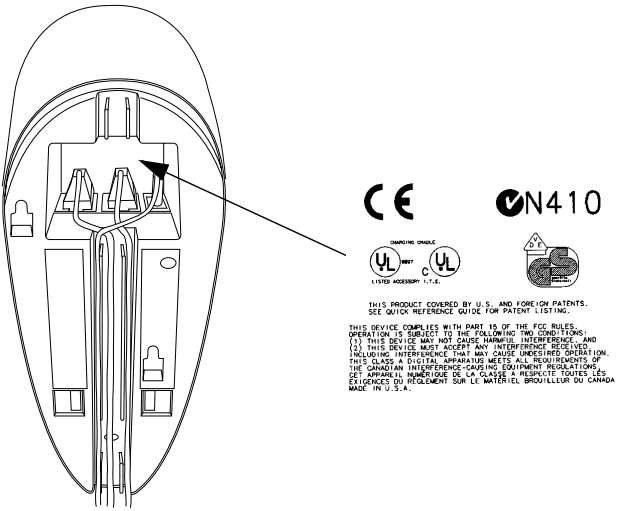
Applicable Standards

- EN 55022:1998, Limits and Methods of Measurement of Radio Disturbance Characteristics of Information Technology Equipment
- EN 55024:1998; Information Technology equipment - Immunity characteristics - Limits and methods of measurement

- IEC 1000-4-2:1995; Electromagnetic compatibility (EMC); Part 4:Testing and measurement techniques; Section 4.2:Electrostatic discharge immunity test
- IEC 1000-4-3:1997; Electromagnetic Compatibility (EMC); Part 4:Testing and measurement techniques; Section 3. Radiated, radio frequency, electromagnetic field immunity test.
- IEC 1000-4-4:1995; Electromagnetic compatibility (EMC); Part 4:Testing and measurement techniques; Section 4:Testing electrical fast transient,/Burst immunity.
- IEC1000-4-5:1995; Electromagnetic compatibility (EMC), Part 4:Testing and measurement techniques; Section 5: Surge Immunity
- IEC 1000-4-6:1996; Electromagnetic compatibility (EMC), Part 4:Testing and measurement techniques; Section 6: Immunity to conducted disturbances, induced by radio frequency fields.
- IEC 1000-4-11:1994; Electromagnetic compatibility (EMC), Part 4:Testing and measurement techniques; Section 11: Voltage Dips, Short Interruptions, and Voltage Variations.
- EN 60 950 + A1+A2+A3+A4+A11 - Safety of Information Technology Equipment Including Electrical Business Equipment

EN 60 825-1 (EN 60 825) - Safety of Devices Containing Lasers

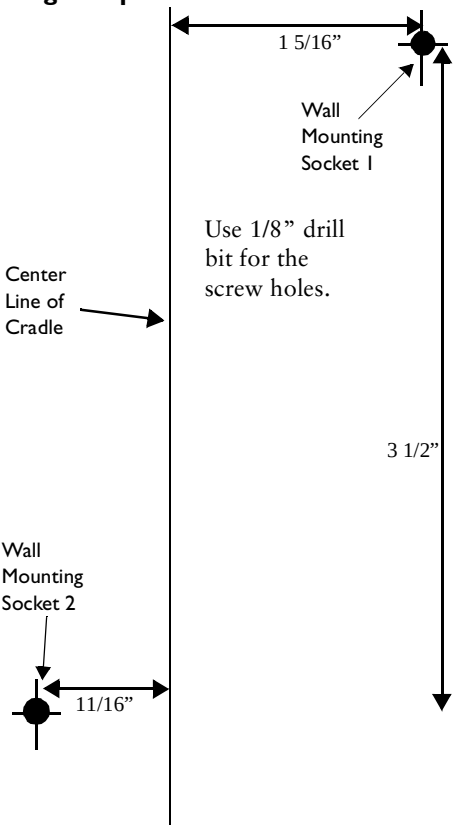
Cradle Labeling



RF Devices

Symbol's RF products are designed to be compliant with the rules and regulations in the locations into which they are sold and will be labeled as required. The majority of Symbol's RF devices are type approved and do not require the user to obtain license or authorization before using the equipment. Any changes or modifications to Symbol Technologies equipment not expressly approved by SymbolTechnologies could void the user's authority to operate the equipment.

Wall Mounting Template:



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Warranty

Symbol Technologies, Inc. ("Symbol") manufactures its hardware products in accordance with industry-standard practices. Symbol warrants that for a period of twelve (12) months from date of shipment, products will be free from defects in materials and workmanship.

This warranty is provided to the original owner only and is not transferable to any third party. It shall not apply to any product (i) which has been repaired or altered unless done or approved by Symbol, (ii) which has not been maintained in accordance with any operating or handling instructions supplied by Symbol, (iii) which has been subjected to unusual physical or electrical stress, misuse, abuse, power shortage, negligence or accident or (iv) which has been used other than in accordance with the product operating and handling instructions. Preventive maintenance is the responsibility of customer and is not covered under this warranty.

Wear items and accessories having a Symbol serial number will carry a 90-day limited warranty. Non-serialized items will carry a 30-day limited warranty.

Warranty Coverage and Procedure

During the warranty period, Symbol will repair or replace defective products returned to Symbol's manufacturing plant in the US. For warranty service in North America, call the Symbol Support Center at 1-800-653-5350. International customers should contact the local Symbol office or support center. If warranty service is required, Symbol will issue a Return Material Authorization Number. Products must be shipped in the original or comparable packaging, shipping and insurance charges prepaid. Symbol will ship the repaired or replacement product freight and insurance prepaid in North America. Shipments from the US or other locations will be made F.O.B. Symbol's manufacturing plant.

Symbol will use new or refurbished parts at its discretion and will own all parts removed from repaired products. Customer will pay for the replacement product in case it does not return the replaced product to Symbol within 3 days of receipt of the replacement product. The process for return and customer's charges will be in accordance with Symbol's Exchange Policy in effect at the time of the exchange.

Customer accepts full responsibility for its software and data including the appropriate backup thereof.

Repair or replacement of a product during warranty will not extend the original warranty term.

Symbol's Customer Service organization offers an array of service plans, such as on-site, depot, or phone support, that can be implemented to meet customer's special operational requirements and are available at a substantial discount during warranty period.

General

Except for the warranties stated above, Symbol disclaims all warranties, express or implied, on products furnished hereunder, including without limitation implied warranties of merchantability and fitness for a particular purpose. The stated express warranties are in lieu of all obligations or liabilities on part of Symbol for damages, including without limitation, special, indirect, or consequential damages arising out of or in connection with the use or performance of the product.

Seller's liability for damages to buyer or others resulting from the use of any product, shall in no way exceed the purchase price of said product, except in instances of injury to persons or property.

Some states (or jurisdictions) do not allow the exclusion or limitation of incidental or consequential damages, so the preceding exclusion or limitation may not apply to you.

Service Information

Before you use the unit, it must be configured to operate in your facility's network and run your applications.

If you have a problem running your unit or using your equipment, contact your facility's Technical or Systems Support. If there is a problem with the equipment, they will contact the Symbol Support Center:

United States	1-800-653-5350	Canada	905-629-7226
United Kingdom	0800 328 2424	Asia/Pacific	337-6588
Australia	1-800-672-906	Austria	1-505-5794
Denmark	7020-1718	Finland	9 5407 580
France	01-40-96-52-21	Germany	6074-49020
Italy	2-484441	Mexico	5-520-1835
Netherlands	315-271700	Norway	66810600
South Africa	11-4405668	Spain	9-1-320-39-09
Sweden	84452900		
Latin America Sales Support		1-800-347-0178 Inside US +1-561-483-1275 Outside US	
Europe/Mid-East Distributor Operations		Contact local distributor or call +44 208 945 7360	

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Symbol Technologies, Inc. One Symbol Plaza Holtsville, NY 11742-1300