

Fast Media Home Network Systems

FASTHOME™

CUSTOM CONNECTIVITY PLATFORMS

Installation Guide



550-040

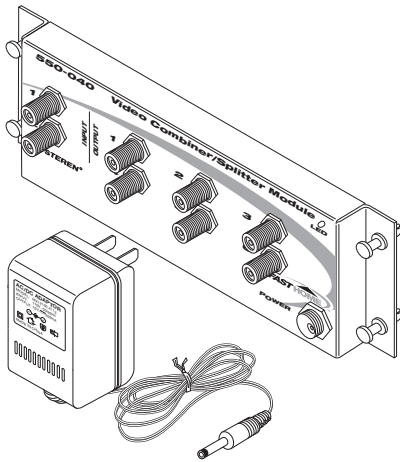
Fast Media
TV Combiner/Splitter Module
6 1/2" (W) x 2 7/8" (H) x 1" (D)



Manufactured by:
Stereon Electronics International, LLC
8675 Miralani Drive, San Diego, CA 92126
1-800-266-3333
www.steren.com

FastHome™ 550-040 TV Combiner/Splitter Module Installation Guide

Introduction



Specifications:

- Insertion Loss: 0.0dB \pm 1dB
- Return Loss: 10dB min.
- Isolation: 20dB min.

About Steren Electronics

Based in San Diego, Steren has been a leading component manufacturer for nearly 50 years.

With more than 2,000 items in our catalog, we supply interconnect products and electronics accessories for home and commercial use.

The **FastHome™** Series of Fast Media Home Network Systems are produced with superior design and engineering, high-quality materials and exceptional manufacturing processes, attributes that are synonymous with the Steren name.

Welcome to the FastHome™ Series

Thank you for purchasing this product, part of the **FastHome™** Series of Fast Media Home Network Systems by Steren. You have made an excellent choice for the homeowner. The **FastHome™** Series of enclosures and modules provide a quality control center for the wiring of cable TV, phone/fax/modem, Ethernet, security, sound system and other voice, video, data and audio devices. Installation is easy and requires only basic tools. By following the instructions in this guide, you will ensure the proper installation of the **FastHome™** module.

Product Description

From a centralized location, the Fast Media TV Combiner/Splitter Module combines and distributes two incoming cable TV lines to six rooms. The module allows for the insertion of security camera feed using the RF Modulator Module (550-080) and features a 9VDC, 300mA power supply. All **FastHome™** modules feature 18-gauge cold rolled steel construction for excellent RFI shielding.

Contents of Package

1. Fast Media TV Combiner/Splitter Module
2. 9VDC power supply
3. Installation manual

Tools for Module Installation and Wiring

1. Wire stripper
2. Personal protective equipment

Safety Instructions

Read these safety instructions before installing this module and follow them carefully. Keep these instructions handy and refer to them when working on the module.



- Always wear the necessary personal protective gear and follow all basic precautions and safety procedures when working with wires and electrical equipment, using power tools or working in unfinished construction areas.
- Use caution when handling this module. Be careful not to drop the module because this could affect the performance and/or damage the module.
- Take extra precautions when working with cables, wires and tools. Do not install cables and wires that appear to be damaged. Avoid kinking cables and wires during installation.
- Be careful when using tools that might touch exposed wires or live electrical contacts.
- To prevent electric shock: 1) do not touch uninsulated wires and terminals that may still be connected to a live circuit; 2) do not install wires or electrical equipment during a lightning storm; 3) do not install wires or electrical equipment or their enclosures near water or locations where water is used (in the kitchen, bathroom, laundry room, swimming pool, etc.); 4) do not install electrical components or equipment in wet areas, unless specifically rated for moisture.
- Make sure all wires in the modules are properly connected or terminated.



FastHome™

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Pre-Installation Instructions

1. After the enclosure has been mounted, determine which modules will be inserted. On a sheet of paper, diagram the location where each module will be placed. An expansion module should be placed close to the module with which it interfaces.
2. On the diagram, identify the origin and destination of each cable. Make sure the module serving each device is safely within a 100ft/30m distance.

Installation Instructions

Note: Do not connect the DC power supply to a power outlet until all wiring has been completed.

1. Identify the enclosure location on which the module will be mounted.
2. Mount the module by inserting the nylon pins into the holes in back of the enclosure and pressing the pins in. Make sure that the pins are firmly seated and the module is secure.

Wiring Instructions

Note: Module wiring should only be performed by a experienced, licensed electrician. Make sure all power has been shut off to the equipment and there is no live circuit. Route all cables through the knock-out holes and bundle with tie wraps or cable straps to ensure safe and long-lasting connections.

1. Connect F-terminated coaxial cable inputs from the cable TV incoming feed and, if inserting security camera feed, the Fast Media RF Modulator Module (550-080) onto the ports on the "input" side of the TV hub.
2. Connect an F-terminated coaxial cable onto each of 1-6 outputs on the "output" side of the hub.
3. Route the cables from the hub to the TV set locations in the home and terminate with 75-Ohm F-connectors.
4. Place 75-Ohm termination caps over unused TV hub ports to improve video reception.
5. Connect the 9VDC power supply cord to the power input jack.

Installation



Sample configuration for telephone, audio/video, security and Ethernet.

For More Information about FastHome™ and Fast Media Home Network Systems, contact:

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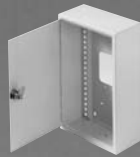
CUSTOM CONNECTIVITY PLATFORMS

Fast Media Home Network Systems

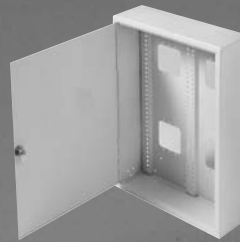
For your future construction needs, consider the entire series of FastHome™ Enclosures and Modules.

FastHome™ Enclosures

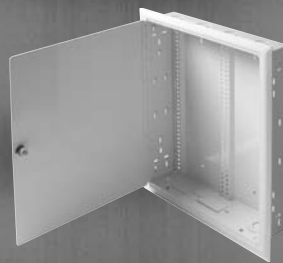
From a centralized location, Fast Media Home Network Systems enclosures fully integrate, manage and distribute broadband and multimedia services on a flexible, customizable and upgradeable platform. Constructed of 18-gauge cold rolled steel for strength and protection against interference, FastHome™ enclosures mount on a wall (surface mount) or between 16" center wall studs (flush mount).



550-100
Small Surface Mount Enclosure
7"(W) x 11"(H) x 3⁵/₁₆"(D)



550-105
Large Surface Mount Enclosure
14⁹/₁₆"(W) x 19"(H) x 4⁵/₁₆"(D)



550-200
Small Flush Mount Enclosure
14³/₈"(W) x 19"(H) x 3¹/₂"(D)



550-205
Medium Flush Mount Enclosure
14³/₈"(W) x 32"(H) x 3¹/₂"(D)



550-210
Large Flush Mount Enclosure
14³/₈"(W) x 44"(H) x 3¹/₂"(D)

FastHome™ Modules

High-quality FastHome™ modules by Steren provide secure, reliable connections for voice, video, data and audio applications. Each module is housed in a sturdy 18-gauge cold rolled steel construction for excellent RFI shielding. The system is expandable by adding multiple modules.



550-010
Fast Media Telephone/TV Hub Module
6¹/₂"(W) x 4³/₄"(H) x 1"(D)



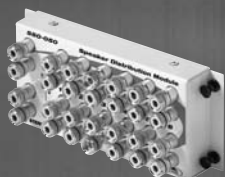
550-020
Fast Media Telephone Hub Module
6¹/₂"(W) x 2⁷/₈"(H) x 1"(D)



550-030
Fast Media Data Hub Module
6¹/₂"(W) x 2⁷/₈"(H) x 1"(D)



550-040
Fast Media TV
Combiner/Splitter Module
6¹/₂"(W) x 2⁷/₈"(H) x 1"(D)



550-050
Fast Media Audio Splitter Module
6¹/₂"(W) x 2⁷/₈"(H) x 1"(D)



550-060
Fast Media Ethernet Switch Module
6¹/₂"(W) x 2³/₄"(H) x 1"(D)



550-070
Fast Media Power Module
6¹/₂"(W) x 2⁵/₈"(H) x 1"(D)



550-080
Fast Media RF Modulator Module
6¹/₂"(W) x 3"(H) x 2³/₈"(D)



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