

# Residential Products

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## Home Network Sciences™

The Home Network Sciences™ system allows for:

- Telephone Distribution
- Video and TV Distribution
- Whole-House Audio
- Computer Networking
- Internet Networking (using DSL and cable modems)
- Customized Multimedia Wallplates
- All the Network Sciences™ products meet the requirements of the proposed EIA/TIA-570-B Residential Cabling Standard

### Residential Enclosure

The heart of the Home Network Sciences system is the Residential Distribution Enclosure. This enclosure is strong, easy to install and utilizes a unique latching system which makes mounting of the various modules easy.

- Sturdy, 18 gauge Cold Rolled Steel construction — UL Listed
- Office white color
- Flexibility to mount half or full size modules anywhere on grid
- Can be surface-mounted or recessed mounted in between standard 16" studs
- Zinc-plated, powder-coated, office white cover features a 3/4" overlap to hide irregular drywall cuts
- Accommodates all drywall thicknesses
- Multiple knock-outs for 1" or 1-1/2" conduit on top, sides and back facilitate cable entry from every direction
- Three large, pre-punched slots allow easy cable entry from top
- Two knock-outs on the bottom for AC power outlets in recessed or surface mount installations
- Grounding screw included for proper electrical grounding
- RE28 has built in brackets for stud mounting
- RE28 can also be mounted directly from inside enclosure wall to studs
- RE28 has a unique hinged cover that easily mounts onto enclosure without the need for screws or tools



RE28 with Hinged Cover



RE18 – Cover

RE18 –  
Mounting Brackets

#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
RE18	Residential Enclosure and Cover	Base: 18" H x 14.1" W x 4" D Cover: 19.5" H x 15.75" W	1
RE28	Residential Enclosure and Cover	Base: 28" H x 14.35" W x 4.5" D Cover: 29.5" H x 15.5" W	1

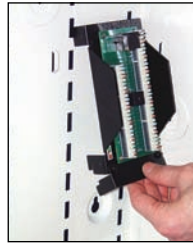


Includes cover, mounting brackets and hole grommets

### Residential Modules

All the modules use the same unique latching design. The modules indicate whether they are half-size or full-size. The width of the residential enclosure grid accommodates four half-sized or two full-sized modules.

- Easy to install in enclosure
- All steel construction with no plastic mounting fasteners
- Easy to read color coded wiring labels
- Half-size modules include cover to conceal cable terminations
- Half-size modules are raised 1/2" above enclosure to allow cable routing under modules
- White write-on areas for easy identification
- Utilize easy, high-quality 110 punch-down blocks for permanent cable terminations
- Meet TIA/EIA-570-B standards



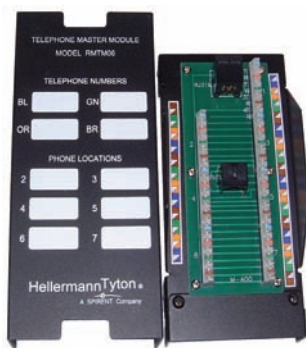
Step 1 – Mount on grid



Step 2 – Secure with two screws



Step 3 – Push cover on module



### Telephone Master Module

For basic telephone, fax and modem service. Accommodates up to 4 lines and supports up to 6 separate phone locations.

- Category 5e rated
- Security panel connection RJ-31X for automatic seizure of line 1 in emergencies
- Cover includes white write-on areas for all 4 lines and 6 locations
- Expansion RJ45 jack for connection to RMTE07 for more phone locations

#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMTM06</b>	Telephone Master Module	6.9" H x 3.2" W x 2.2" D	1

*Half - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*

### Multi-Line Telephone Distribution Module

Allows more flexibility for changing locations by patching versus hardwiring, with 24 multi-line telephone connections in either 2 or 4 lines.

- Handles up to 4 incoming lines
- Security panel connection RJ-31X
- Patches to RMD08 module
- Also supports DSL internet access



#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMMLTD</b>	Multi-Line Telephone Distribution Modules	6.2" H x 6.5 " W x 0.6" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*



### Telephone Expansion Module

Used in conjunction with RMTM06, the telephone expansion module supports up to 7 additional phone locations. A 6" Category 5e patch cord is included to connect to RMTM06.

- Category 5e rated
- Cover includes white write-on areas for all 7 locations
- Expansion RJ45 jack for connecting to additional RMTE07 modules

**Product Selection**

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMTE07</b>	Telephone Expansion Module	6.9" H x 3.2" W x 2.2" D	1

*Half - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*

### Telephone & Video Combination Module

The telephone and video combination module is for basic telephone, fax, modem and cable TV service. It accommodates up to 2 telephone lines and supports up to 6 separate phone locations. This module also distributes CATV or other video services to 4 TV locations.

- 4-way balanced passive splitter, 5 MHz - 1 GHz
- Typical Insertion Loss: 8.1dB Maximum
- Typical Return Loss: 18dB Minimum
- Typical Isolation: 24dB Minimum
- Category 5e rated
- Write-on areas for 6 phone locations and 4 CATV locations



**Product Selection**

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMTV061X4</b>	Telephone & Video Combination Module	3.9" H x 6.9" W x 1.8" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*



### Telephone and Data Module

The Telephone and Data Module allows computers to be connected to a Local Area Network (LAN) or RMMLTD to connect telephones. It supports termination of 8 Category 5e UTP cables.

- Meets EIA/TIA-568-B standard for Category 5e cabling systems
- Certified up to 1000BASE-T Gigabit Ethernet network performance
- Cover includes white write-on areas for all 8 computer locations
- Utilizes 568A wiring scheme per TIA/EIA-570B requirements.

#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMD08</b>	Telephone and Data Module	6.9" H x 3.2" W x 2.2" D	1

*Half - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*

### Keystone Module

The Keystone Module allows computers to be connected to a Local Area Network (LAN) and accepts 8 HellermannTyton Category 5e modular jacks (RJ45FC5E-X) or Category 6 modular jacks (RJ45FC6-X)

- Accepts all keystone modules such as F-Type, BNC, RCA, S-Video and Fiber
- Meets EIA/TIA-568-B standard for Category 5e cabling systems
- Certified 1000BASE-T Gigabit Ethernet network performance
- Base includes white write-on areas for all 8 locations
- Allows user to meet recommendation for Category 6 as specified in EIA/TIA-570-B Standard



#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMDK08</b>	Keystone Module	3.9" H x 6.9" W x 3.9" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*

### Video Splitter Modules

HellermannTyton's video splitter module distributes CATV, digital TV or other video services to multiple TV locations. The four and eight port video splitters are available in bandwidths of both 1 and 2 GHz and feature white write-on areas for easy location identification.



#### Four Port — 1 GHz Video Splitter Module

- 4-way balanced passive splitter, 5 MHz - 1 GHz
- Typical Insertion Loss: 8.1dB Maximum
- Typical Return Loss: 18dB Minimum
- Typical Isolation: 24dB Minimum

#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMVS1X4</b>	Four Port - 1 GHz Video Splitter	3.4" H x 6.3" W x 3.5" D	1

Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.

#### Eight Port — 1 GHz Video Splitter Module

- 8-way balanced passive splitter, 5 MHz - 1 GHz
- Typical Insertion Loss: 12.5dB Maximum
- Typical Return Loss: 16dB Minimum
- Typical Isolation: 25dB Minimum



#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMVS1X8</b>	Eight Port - 1 GHz Video Splitter	3.4" H x 6.3" W x 3.5" D	1

Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.



#### Four Port — 2 GHz Video Splitter Module

- 4-way balanced passive splitter, 5 MHz - 2 GHz
- Typical Insertion Loss: 11.5dB Maximum
- Typical Return Loss: 18dB Minimum
- Typical Isolation: 18dB Minimum

#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMVS1X42G</b>	Four Port - 2 GHz Video Splitter	3.4" H x 6.3" W x 3.5" D	1

Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.

### Eight Port — 2 GHz Video Splitter Module

- 8-way balanced passive splitter, 5 MHz - 2 GHz
- Typical Insertion Loss: 20dB Maximum
- Typical Return Loss: 16dB Minimum
- Typical Isolation: 18dB Minimum



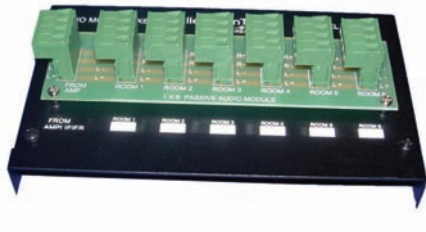
**Product Selection**

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMV51X82G</b>	Eight Port - 2 GHz Video Splitter	3.4" H x 6.3" W x 3.5" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*

### Audio Distribution Module

The Audio Distribution Module allows for whole-house audio distribution and supports up to 6 pairs of speakers from a stereo receiver or amplifier



- Connects with standard speaker wire, 14-18 AWG wire
- Parallel connection scheme ensures the best sound quality
- Removable termination covers simplify installation

**Product Selection**

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMA1X6</b>	Audio Distribution Module	3.9" H x 6.9" W x 1.8" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*



### CATV Video Amplifier

Amplifies the incoming CATV or other video signal before splitting and distributing the signal.

- Increases video signal strength and quality to performance levels of up to 25dB
- Variable attenuator to adjust signal power
- Frequency range: 50 MHz - 900 MHz
- Gain Control Range: 5-25dB
- FM Trap dB: 20
- Impedance: 75 Ohm
- Power source: 12V DC 200MA

#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMVA</b>	CATV Video Amplifier Module	4.3" H x 6.7" W x 4.3" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*

### Satellite Multi-Switch, 4-output

Distributes satellite signals from a dual LNB (Low Noise Block Converter) satellite antenna to a maximum of four satellite receivers.

- For optimum use incorporate a video amplifier (HellermannTyton P/N - RMVA)
- TV Antenna Output: 40 MHz - 860 MHz
- LNB Output: 950 MHz - 2250 MHz
- Receiver Output: 40 MHz - 2250 MHz
- Impedance: 75 Ohm
- LNB Selection Voltage: LNB A:13V/14V; LNB B17V/18V
- Receiver Output: 40 MHz - 2250 MHz



#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMSM04</b>	Satellite Multi-Switch, 4-output	5.2" H x 6.4" W x 1.8" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*



### 10BASE-T Network Hub

Share data from computers and printers by connecting to a 10BASE-T local area network. Supports up to 4 connections.

- Data transfer rate: 10 Mbps
- Complies with IEEE 802.3 standard and FCC Certified
- LED indicators for easy status diagnosis and troubleshooting
- Power adapter: 7.5V DC, 750 mA and mounting bracket included

#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RM10BTH05</b>	10BASE-T Network Hub	5.2" H x 6.9" W x 2.6" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*



### 10/100BASE-T Network Switch

Share data from computers and printers by connecting to either a 10BASE-T or 100BASE-T Ethernet local area network. Supports up to five connections.

- Data transfer rate: 100 Mbps
- Complies with IEEE 802.3 standard and FCC Certified
- LED indicators for easy status diagnosis and troubleshooting
- Power adapter: 7.5V DC, 750 mA and mounting bracket included

#### Product Selection

Part Number	Description	Dimensions	Pkg. Qty.
<b>RM100BTS05</b>	10/100BASE-T Network Hub	6.5" H x 6.9" W x 2.6" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*

### Internet Broadband Router

Allows single DSL or cable modem internet connection to be shared among up to 4 computers.

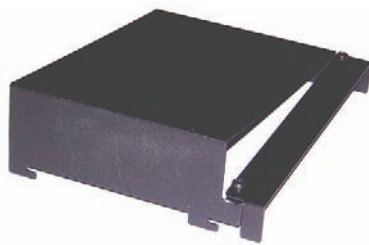
- Data transfer rate: 100 Mbps
- Built-in 10/100BASE-T network switch for local area networks
- Provides a natural firewall and secure gateway
- PPTP, IPSec., pass-through support for virtual private networks (VPN)
- Complies with IEEE 802.3 standard and FCC Certified
- LED indicators for easy status diagnosis and troubleshooting
- Power adapter: 12V DC, 800 mA and mounting bracket included



**Product Selection**

Part Number	Description	Dimensions	Pkg. Qty.
<b>RMIB04</b>	Internet Broadband Router	7.9" H x 6.9" W x 2.7" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*



### Network Hub/Switch Mounting Bracket

The Network Hub/Switch Mounting Bracket accepts most small hub or switches to mount in HellermannTyton enclosures and includes adhesive strips included for easy mounting.

**Product Selection**

Part Number	Description	Dimensions	Pkg. Qty.
<b>RHMB</b>	Network Hub/Switch Bracket	5.2" H x 6.9" W x 1.9" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*



### 110 Mounting Bracket

The 110 block mounting bracket will accept the CAT 6 48 and 96 pair and the CAT 5e 50 and 100 pair 110 blocks only. Used with the RE18 or RE28, this bracket provides a secure base for the 110 block, and the unique latching system secures the bracket to the enclosure.

*110 block sold separately*

**Product Selection**

Part Number	Description	Dimensions	Pkg. Qty.
<b>R110MB</b>	110 Mounting Bracket	9.6" H x 4.4" W x .728" D	1

*Full - size module, the width of the residential enclosure grid accommodates four half-sized or two full-sized modules.*