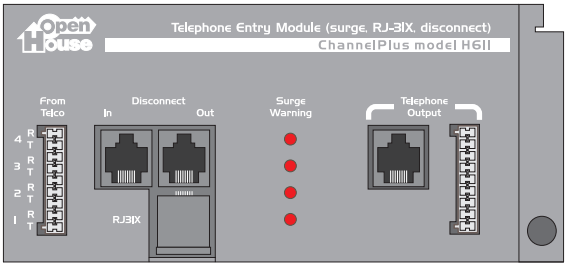# ChannelPlus Telephone Entry Module
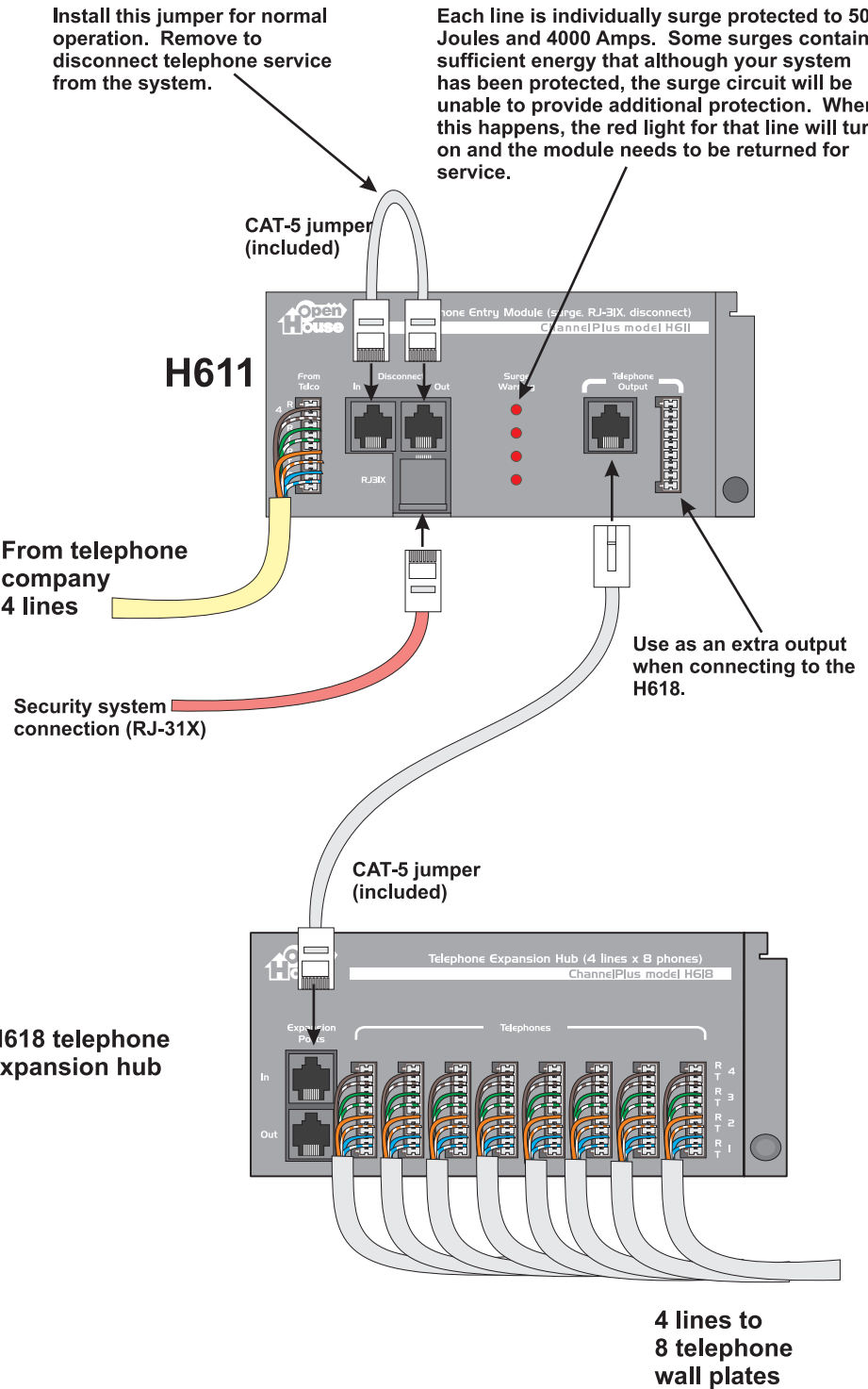
IMPORTANT INSTRUCTIONS

When using your telephone equipment, basic precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Read and understand all instructions
2. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool.
3. Never push objects of any kind into this product through cabinet slots as they may touch dangerous voltages.
4. Use only UL listed cabinets like the H218 or H236.
5. ## SAVE THESE INSTRUCTIONS

SAFETY INFORMATION:

a) Never install telephone wiring during a lighting storm.

b) Never install telephone jacks in wet locations.

c) Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

d) Use caution when installing or modifying telephone lines.

OpenHouse™ modules attach from the top

1) Hook from the top
2) Swing into place
3) Push button to

The H611 Telephone Entry Module provides a superior method of telephone connection to your system. Each unit provides surge suppression for all four lines, a master disconnect, and an RJ-31X for connection to alarm systems. Also, each line has an LED status indicator to warn you of a surge event.
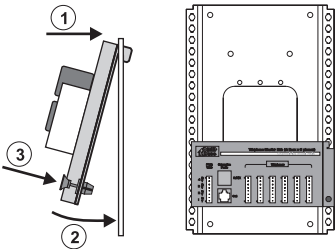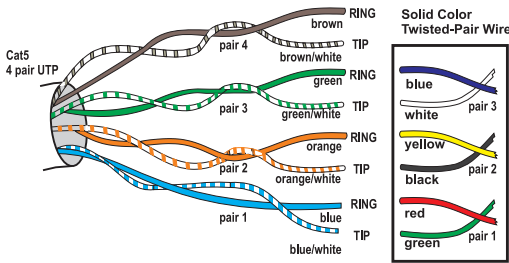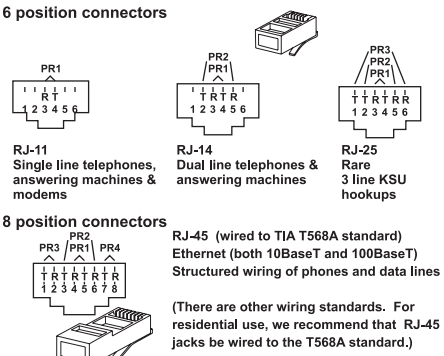

Typical Installation

Install this jumper for normal operation. Remove to disconnect telephone service from the system.

Each line is individually surge protected to 50 Joules and 4000 Amps. Some surges contain sufficient energy that although your system has been protected, the surge circuit will be unable to provide additional protection. When this happens, the red light for that line will turn on and the module needs to be returned for service.

CAT-5 jumper (included)

H611

From telephone company 4 lines

Security system connection (RJ-31X)

Use as an extra output when connecting to the H618.

CAT-5 jumper (included)

H618 telephone expansion hub

4 lines to 8 telephone wall plates

Wire Color Codes

Cat5 4 pair UTP

brown	RING pair 4
brown/white	TIP
green	RING pair 3
green/white	TIP
orange	RING pair 2
orange/white	TIP
blue	RING pair 1
blue/white	TIP

Solid Color Twisted-Pair Wire

blue	pair 3
white	
yellow	pair 2
black	
red	pair 1
green	

Modular connectors

6 position connectors

PR1
R T
1 2 3 4 5 6
RJ-11
Single line telephones, answering machines & modems

PR2 PR1
T R T R
1 2 3 4 5 6
RJ-14
Dual line telephones & answering machines

PR3, PR2, PR1
T R T R T R R
1 2 3 4 5 6
RJ-25
Rare 3 line KSU hookups

8 position connectors

PR3 PR2 PR1 PR4
T R T R T R T R
1 2 3 4 5 6 7 8

RJ-45 (wired to TIA T568A standard) Ethernet (both 10BaseT and 100BaseT) Structured wiring of phones and data lines

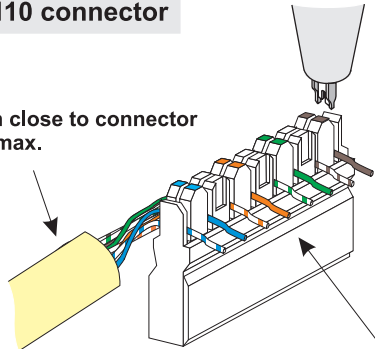(There are other wiring standards. For residential use, we recommend that RJ-45 jacks be wired to the T568A standard.)

Wiring a 110 connector

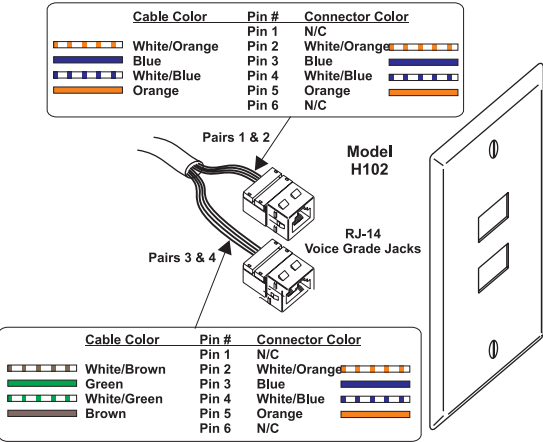Keep sheath close to connector Untwist .5" max.
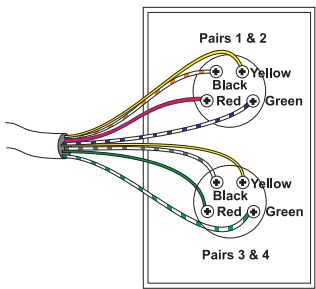
110 punch down tool

The 110 is a sophisticated insulation displacement connection system. To push the wire between the contact blades, use only a 110 punch down tool. Using a screwdriver or needle nose pliers may not seat the wire properly and can damage the contacts.
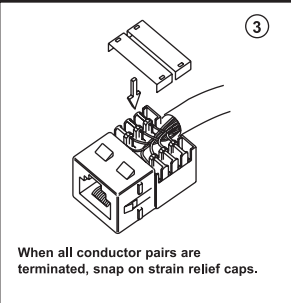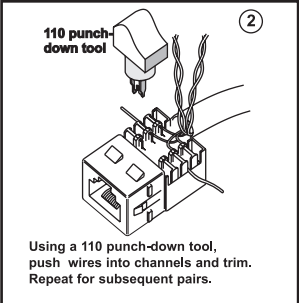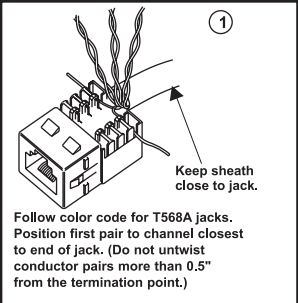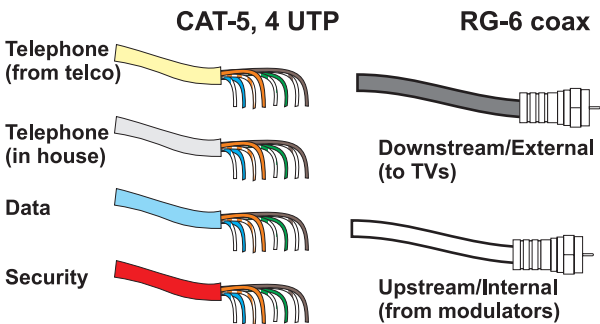
Note order of colors

Wiring a telephone wall plate

Cable Color	Pin #	Connector Color
	Pin 1	N/C
White/Orange	Pin 2	White/Orange
Blue	Pin 3	Blue
White/Blue	Pin 4	White/Blue
Orange	Pin 5	Orange
	Pin 6	N/C

Pairs 1 & 2

Model H102

Pairs 3 & 4

RJ-14 Voice Grade Jacks

Cable Color	Pin #	Connector Color
White/Brown	Pin 1	N/C
Green	Pin 2	White/Orange
White/Green	Pin 3	Blue
Brown	Pin 4	White/Blue
	Pin 5	Orange
	Pin 6	N/C

Option: old style wall plate

Pairs 1 & 2
Yellow
Black
Red
Green

Yellow
Black
Red
Green

Pairs 3 & 4

Wiring a Cat-5 jack

① Keep sheath close to jack.

Follow color code for T568A jacks. Position first pair to channel closest to end of jack. (Do not untwist conductor pairs more than 0.5" from the termination point.)

② **110 punch-down tool**

Using a 110 punch-down tool, push wires into channels and trim. Repeat for subsequent pairs.

③ When all conductor pairs are terminated, snap on strain relief caps.

Colors of OpenHouse™ wiring

CAT-5, 4 UTP   **RG-6 coax**

Telephone (from telco)

Telephone (in house)   Downstream/External (to TVs)

Data

Security   Upstream/Internal (from modulators)

Wiring Modular Plug (T568A)

Insert wires in this order:
White/Green
Green
White/Orange
Blue
White/Blue
Orange
White/Brown
Brown

Wiring a house for OpenHouse

The cables in an OpenHouse run from the various rooms of the house directly to the service center location. (This is known as "home run" wiring.) Two types of wire are used for communication and entertainment: Cat-5, 4-UTP (4 Unshielded Twisted Pairs) wire handles data or 1 to 4 telephone lines. RG-6 coax handles television (antenna or cable), satellite dish, cable modem, or AV modulator signals. (An AV modulator creates new TV channels for front door camera, DVD player, a VCR or a satellite receiver.)

We recommend the following pre-wire schemes . Run these wires from the service center to the rooms indicated.

	Typical Room	Media Center	Home Office
Good	1 Cat-5 / 1 RG-6	1 Cat-5 / 3 RG-6	1 Cat-5 / 2 RG-6
Better	2 Cat-5 / 1 RG-6	2 Cat-5 / 3 RG-6	2 Cat-5 / 2 RG-6
Best	2 Cat-5 / 2 RG-6	3 Cat-5 / 3 RG-6	3 Cat-5 / 3 RG-6

Good ...
Typical room - phone, TV
Media center - phone, satellite receiver, AV modulators
Home office - phone, TV, cable modem

Better ...
Typical room - phone, TV, ethernet
Media center - phone, TV, ethernet, satellite receiver, AV modulators
Home office - phone, TV, ethernet, cable modem

Best ...
Typical room - phone, TV, ethernet, satellite receiver
Media center - phone, TV, ethernet, satellite receiver, AV modulators, hi-speed data
Home office - phone, TV, ethernet, satellite receiver, cable modem, hi-speed data

ChannelPlus
Telephone Entry Module
Model H611

Linear®
Building On Innovation.

OpenHouse™
Compatible

# ChannelPlus Enclosures, Modules, Accessories & Wall Plates
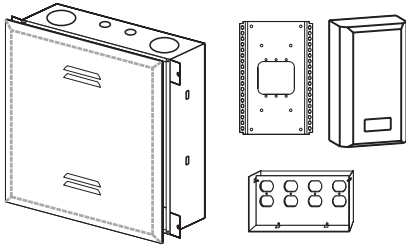
Service center enclosures
A full line of OpenHouse compatible enclosures, from simple, inexpensive mounting plates to high capacity in-wall cabinets. AC outlets can be mounted inside the cabinets using a UL listed accessory.

Starter systems
RF splitters and telephone punch downs. When it is time to upgrade, just snap this module out and replace with one of more of the more sophisticated units.
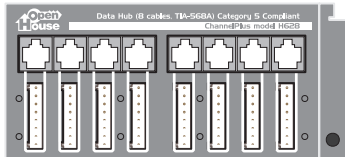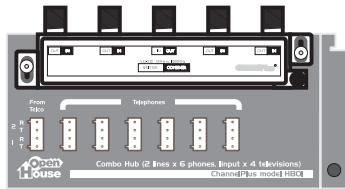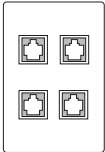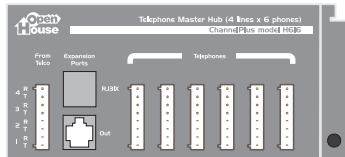
Data hubs
Termination blocks for the CAT-5 cables, Ethernet hubs. Bring the Internet to any room in the home. Or create a home data network.
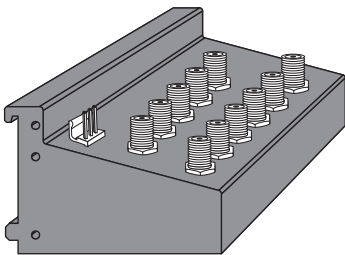
Telephone hubs
Connections for 1-4 phone lines to every room. Starter hub adds RJ-31X jack for security system dialer.

Wall plates
Wall plate systems for all rooms. The typical room gets TV and telephone. The Home office wall plate adds data ports. The media center wall plate adds satellite feeds.
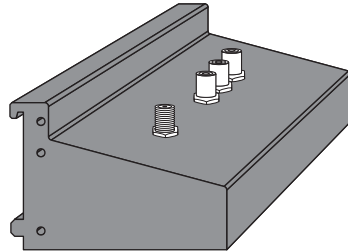
Coax panels
Distribute antenna or cable TV to every room of the house. Some models include bi-directional amplifiers for interactive cable systems. Some models include modulator inputs and IR engines.

AV modulators (for service center)
Create a new TV channel for a front door camera. Some models feature Cat-5 input connections.
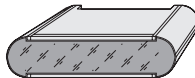
AV modulators (for media center)
Create new TV channels for DVD, VCR, or a satellite receiver. These modulators sit in the media center. Some offer true MTS stereo.

IR Accessories
Control video devices from any room.

New OpenHouse products are added all the time.
Visit our website to learn more:
www.openhousesystems.com