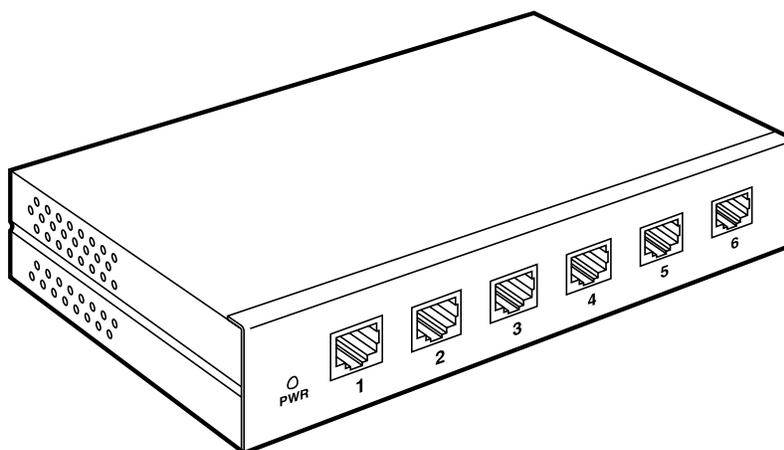# Pure Home Networking S-Video/Audio CAT5e Extender/Splitter Module with (6) RJ-45 Ports

1. Specifications

Bandwidth: Video: DC, 12 MHz; Audio: 50 Hz–15 kHz

Distance (Maximum): Color video: Up to 1000 ft. (304.8 m) using Category 5e UTP cable;
B/W video: Up to 2000 ft. (609.6 m) using Category 5e UTP cable

Cascading: 60 outputs with up to 10 extender/splitters (maximum)

Impedance: Video: 75 ohms balanced; Audio: 600 ohms unbalanced; RJ-45: 100 ohms balanced

RJ-45 Pins Supported: Video (Y): Pair 1, pins 4 and 5;
Video (C): Pair 4, pin 7 and 8;
Audio (left): Pair 3, pins 3 and 6;
Audio (right): Pair 2, pins 1 and 2

Number of Outputs: Up to 6 outputs per booster

User Controls: (1) terminator switch for last booster

Interface: Video (IN): (1) High-resolution S-Video connector for video signal input;
Audio (IN): (2) RCA connectors for left and right video signal input;
Video (OUT): (1) High-resolution S-Video connector for video signal cascading;
Audio (OUT): (2) RCA connectors for left and right audio cascading;
UTP (OUT); (6) RJ-45 for audio/video signal output

Connectors: (6) RJ-45, (2) S-Video, (4) RCA, (1) Power

Indicators: Pwr

Power: 5-VDC/12-VDC external power adapter

Size: 1.5"H x 8.3"W x 6.5"D (3.8 x 21.1 x 16.5 cm)

Weight: 3.8 lb. (1.7 kg)

2. Overview

The Pure Home Networking S-Video/Audio CAT5e Extender/Splitter Module with (6) RJ-45 Ports repeats and distributes audio and video signals to six different monitors. This module should be installed in one of the Pure Home Networking Boxes (JHN1014A, JHN1020A, JHN1030A, or JHN1040A). You can cascade up to 10 boosters for a total of 60 outputs.

The module features a built-in impedance-matching device and filter for video and audio signal transmission over Category 5e cable. It's compatible with NTSC or PAL signals. RJ-45 ports allow hot-swapping terminals.

3. Installation

3.1 Single-Extender/Splitter Configuration

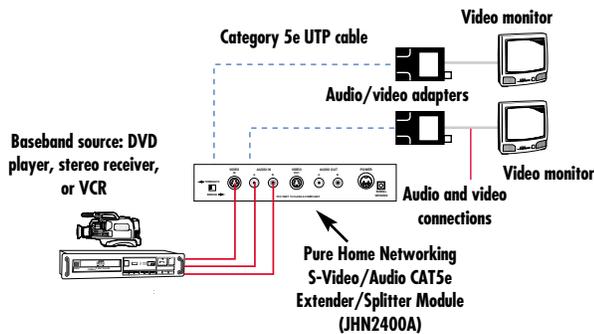Place the switch in the Terminate position. Figure 3-1 shows a typical setup.

Figure 3-1. Sample single-extender/splitter application.

3.2 Multiple-Extender/Splitter Configuration

Position the last extender/splitter's switch in the Terminate position. Set all other extender/splitters' switches to Bridge. See Figure 3-2.
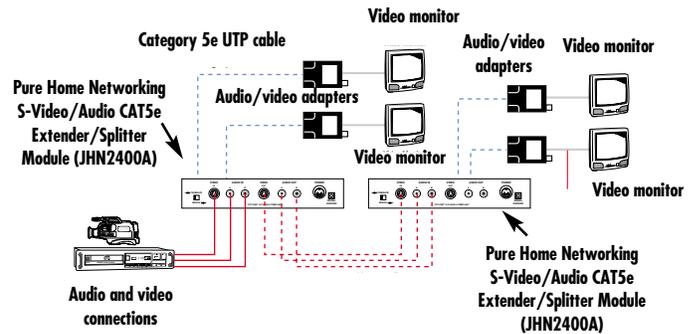

Figure 3-2. Typical multiple-extender/splitter application.

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