



StarServe Contractor Series Video Hub, 2 Inputs / 6 Outputs

Installation Instructions

8072/6VHP

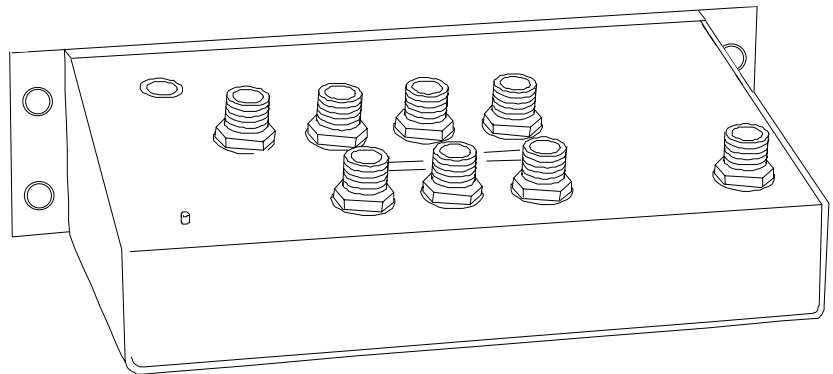


Table of Contents

Section	Page
1.0 Product Range	3
2.0 Description	3
3.0 Features	3
4.0 Installation Instructions.....	3
5.0 Typical Installation.....	4
6.0 Troubleshooting	5
7.0 Product Specifications.....	6

Copyright Notice

© 2003 Copyright Clipsal Integrated Systems Pty Ltd. All rights reserved.

Trademarks

- Clipsal is a registered trademark of Gerard Industries Pty Ltd.
- StarServe is a registered trademark of Clipsal Integrated Systems Pty Ltd.
- Home Management Series is a registered trademark of Clipsal Integrated Systems Pty Ltd.

All other logos and trademarks are the property of their respective owners.

Disclaimer

Clipsal Integrated Systems reserves the right to change specifications or designs described in this manual without notice and without obligation.

1.0 Product Range

- 8072/6VHP** StarServe Contractor Series Video Hub, 2 Inputs / 6 Outputs
E8072/6VHP StarServe Contractor Series Video Hub, 2 Inputs / 6 Outputs
(Power Supply Not Included)

2.0 Description

The 8072/6VHP StarServe Video Hub can distribute a CATV or a modulated input to six TV locations throughout the home.

The 8072/6VHP StarServe Contractor Video Hub has a high headroom amplifier that handles signal differences between high-powered analog VHF and low-powered digital UHF, free from overdrive effects. The unit is compatible with today's PAL and NTSC formats, as well as tomorrow's HDTV signals.

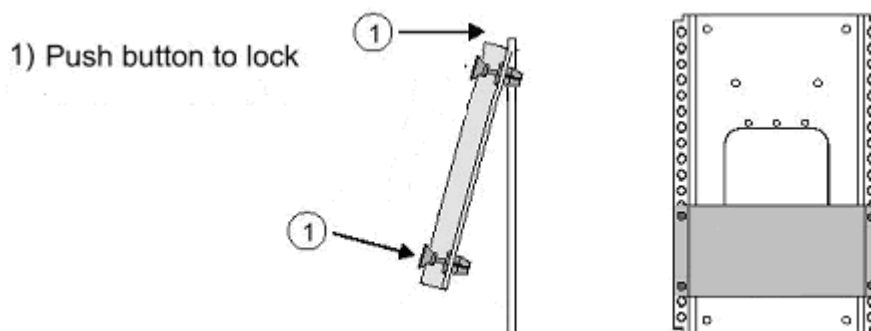
Please Note: The 8072/6VHP StarServe Video Hub does not support infrared signal routing. These features are available only on the 8073/8VHPIR model.

3.0 Features

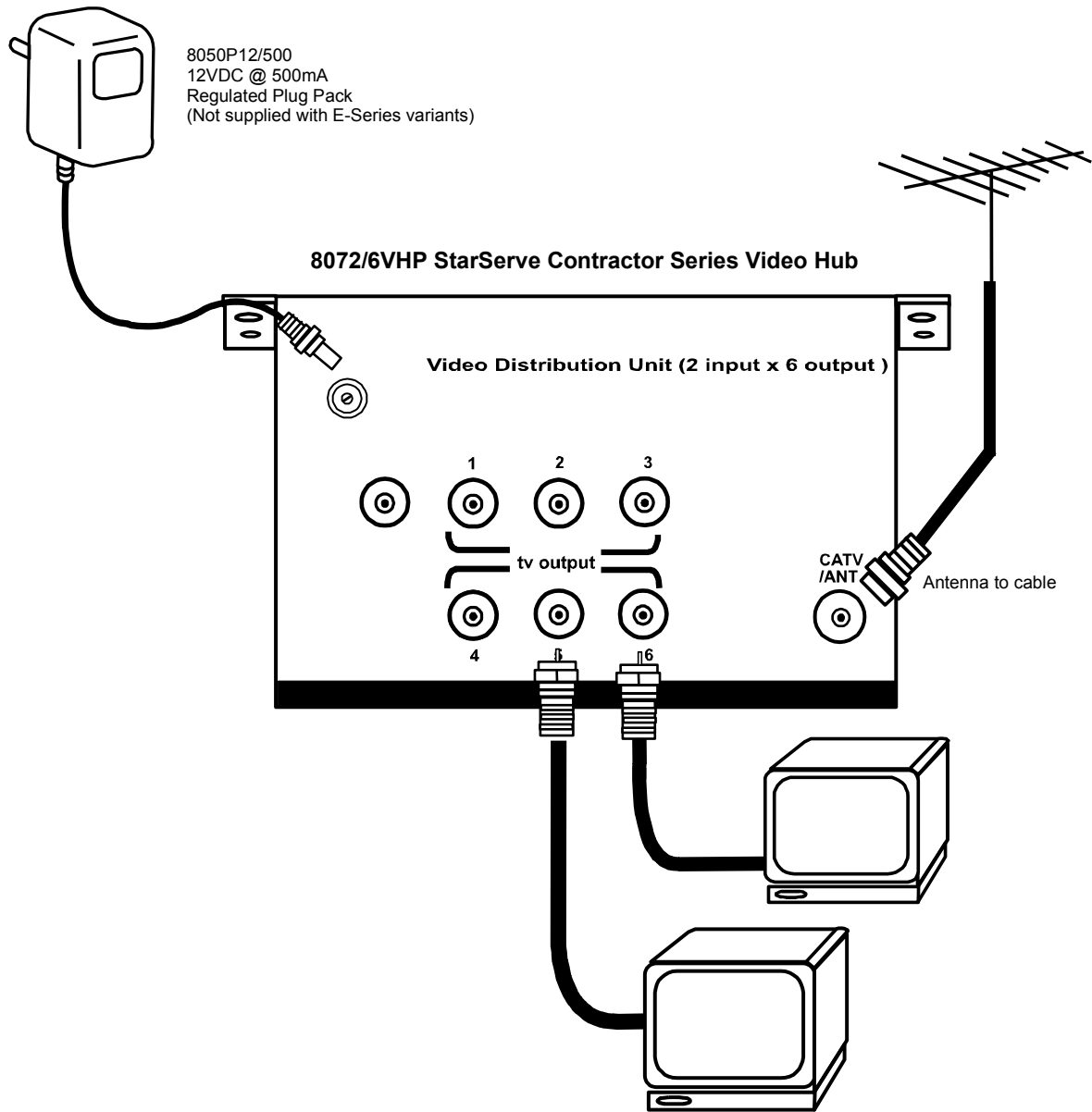
- Distributes CATV or Antenna to 6 TV's
- One modulator input to add a locally generated channel (camera or DVD)
- High headroom 45-850MHz amplifier
- Can be mounted upside down
- Compatible with PAL, NTSC and HDTV systems
- Antenna isolation compliant with FCC Part 15 requirements.

4.0 Installation Instructions

The 8072/6VHP StarServe Video Hub is installer friendly, and features the unique StarServe Grid mounting design. It is intended to mount in any of the StarServe enclosure panels.



5.0 Typical Installation



6.0 Troubleshooting

Symptoms	Remedy
No picture ...	Check that the TV and the modulator are tuned to the same channel. For example, if the modulator is broadcasting on UHF channel 16, make sure the TV is on UHF 16 rather than CATV 16. UHF 16 and CATV 16 are at different frequencies.
A weak StarServe UHF channel ...	If the TV has a separate UHF input, be sure that it is connected.
Herringbone interference on modulator channel (diagonal lines) ...	You may have chosen a channel number that is not completely vacant. Distant UHF stations may not be watchable, but will cause interference if you try to create a new channel at the same frequency. Also, cable companies often have extra signals where there should be none. Try moving the modulator channel to another number. You may have to add a low pass filter to remove the cable company noise. If the filter does not work, try adding a DC-block to remove common mode interference.
Herringbone interference on many channels, including modulated channel (disappears when you remove the CATV/antenna feed) ...	The RF amplifier can be overloaded by abnormally strong signals. Often, you can cure the problem with a simple attenuator. Use a variable attenuator and try to find a signal level where the interference just disappears. Sometimes, the problem is one station is far stronger than the rest; In this case, attenuating all of the signals with a simple attenuator may cause the desired stations to be weak (snowy). You must reduce the strength of the only offending station. A common FM trap will help if the problem is a nearby FM tower. If the problem is a nearby TV station, often the station management can provide suitable filters.
Audio volume is low ...	The left and right audio inputs are combined for monaural. For proper audio level, both right and left inputs must be used. If you have a mono source, connect it to both right and left inputs using an RCA 'Y' connector.

7.0 Product Specifications

Catalogue No.		8072/6VHP
RF Output	Number of Runs	6
	Output Run Distance	45 metres
	Connector Type	6 x F-Type
Bandwidth	Forward	45-850 Mhz
	Reverse	N/A
Isolation	Modulator input to CATV/Ant	-80dB
RF Input	Max CATV/Antenna Input to CATV/Ant (36 channels)	20dBmV
	Connector Type	1 x F-Type
Power Supply (Not supplied with E-Series variant)	Model Number	8050P12/500
	Output Current	500mA (300mA minimum)
	Output Voltage	12VDC REGULATED
	Input Power	240VAC / 50Hz
Mechanical Details	Dimensions	162 x 85 x 45mm (LxWxD)
	Shipping Weight	1.2kg
	Operating Temperature	0 – 50°C
	Operating Humidity	10 – 95% RH
Specifications typical @ 25°C ± 5°C		
No user serviceable parts inside.		

DECLARATION OF CONFORMITY

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS: (1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRE OPERATION.

Installation Requirements:

FCC classifies this product under part 15 of its rules as a “television interface device”. Systems designed using television interface devices have the following legal requirements:

- 1) The modulated channel signal strength may not exceed 15.56dBmV at any television. *Federal Regulation 47CFR15.115(b)(1)(i).*
- 2) If an antenna is used in the system, the modulated channel signal strength may not exceed –51dBmV at the antenna input port. *Federal Regulation 47CFR15.115(c)(4).*

The system you design must comply with these regulations. As the installer, you are responsible. The easiest way to be fully compliant is to use a pre-configured StarServe panel. StarServe panels have the necessary isolation from the modulator input ports to the antenna input port and gain characteristic from the modulator input ports to the television output ports. These features will make your modulator comply with the above requirements.

Further Information

For further information about Clipsal StarServe, please consult the documentation supplied. Further assistance can be obtained as follows:

- **StarServe Installers Guide**

A printed booklet containing detailed information for the installer regarding StarServe system design.

- **Technical Support and Troubleshooting**

For further assistance in using Clipsal StarServe, please consult your nearest Clipsal Integrated Systems Sales Representative or Technical Support Officer.

Technical Support Hotline

1300 722 247 (Cost 25c per Call)

Technical Support Email

techsupport.cis@clipsal.com.au

Sales Support Email

sales.cis@clipsal.com.au

Clipsal Integrated Systems Website

clipsal.com/cis

Products of Clipsal Integrated Systems Pty Ltd

ABN 15 089 444 931

Head Office

12 Park Terrace, Bowden

South Australia 5007

International Phone

+61 8 8269 0560

International Fax

+61 8 8346 0845

Internet clipsal.com/cis

E-Mail cis@clipsal.com.au

1037692