

**CLIPSAL®**  
**STAR**  
**SERVE**



**Home  
Networking  
Solutions**

## DEMAND THE BEST – DEMAND DIGITAL READY

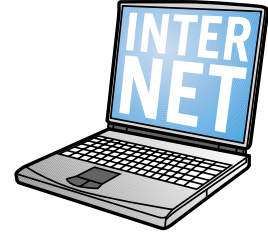
The Essential Digital Services required by everyone these days are:



**Television**  
(Free to air and Pay TV)



**Telephone**



**Internet**

Every home these days requires TV, telephone and internet outlets. The average household has more than three TV's, two telephones and at least one internet outlet.

The challenge has been to get these essential services installed during the building process. The new homebuyer wants to have these services working when they move in.

Clipsal has made it easy to provide all of these Essential Services in a compact enclosure that is packed full of features and easy to install without the heavy price tag.



**3105ABEN**  
Enclosure

The new Clipsal StarServe Essentials range is designed for those who want TV, telephone and internet services.

The new StarServe Essentials range is easy to install and maintain: there is no messy patching required.



**3105ABC**  
StarServe Starter Pack  
(includes Power Injector)



**3105VDU38IRT**  
Infrared Video & Telephone  
Distribution Unit



**3105VDU24T**  
Video & Telephone  
Distribution Unit



**3105PI12VDC**  
Power Injector



**3105ABC**

## Enclosure with Video Distribution Unit

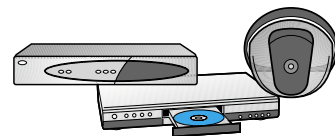
2 Inputs with 4 Outlets



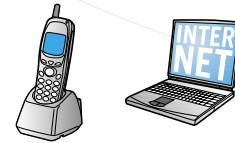
**Starter packs incorporate the Enclosure and the Video Distribution Unit.**

This entry-level combination provides the features required to distribute video, pay TV and DVD via a Modulator (sold separately) along with telephone and internet throughout the home. Connect to your security system via the mode 3 socket.

**Features include:**



**Modulator Input for the distribution of other services such as Pay TV, DVD, video, surveillance cameras etc.**



**Distribute telephone and internet to four locations for each telephone line installed.**

**Please note:**  
this model **DOES NOT** support remote control of devices in other rooms.

**3105ABEN**

## Enclosure



**The StarServe Enclosure** is constructed from strong ABS plastic and comes complete with a cut-out template, a set of keys, vertical rails for mounting distribution units and six apertures for inserting cable.

**Features include:**

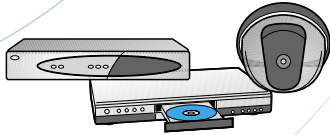
- Recessed enclosure
- Flush mount
- Will fit into a 63mm stud wall
- Key lockable
- Strong ABS plastic

RECOMMENDED CABLE ALLOWANCE	
Coax Cables	1 - 11
Telephone/Internet Cables	1 - 8
Data Cables	1 - 4

3105VDU24T

## Video and Telephone Distribution Unit

2 Inputs to 4 TV Outlets

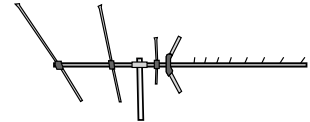


Modulator Input for the distribution of other services such as Pay TV, DVD, video, surveillance cameras etc. via a Modulator to all TV outputs of the VDU

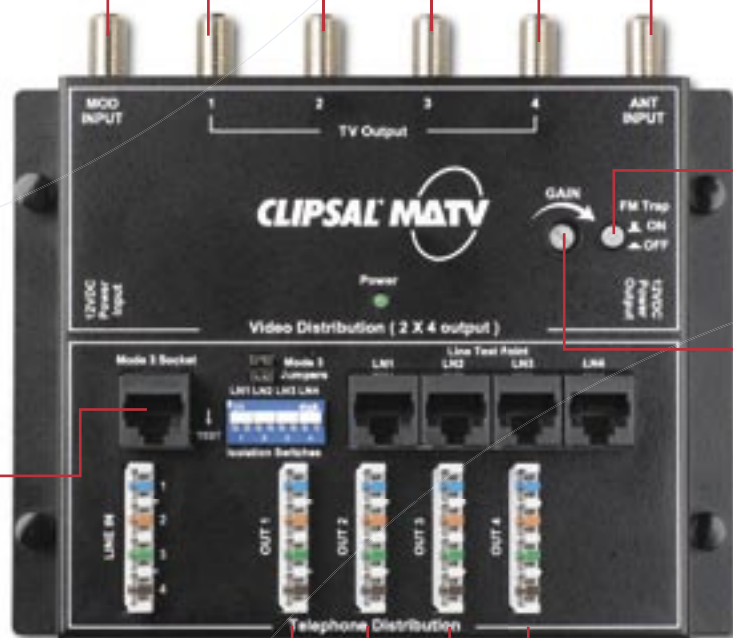
(Modulator sold separately)



Distributes Digital Ready TV to 4 locations of your choice

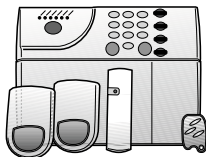


Antenna input



Has a selectable FM trap for filtering out unwanted signals

Variable gain control for adjusting output signal strength to optimum levels



Has a Security connection for your Security System Alarm Dialler



Distributes 4 telephone, internet or fax lines up to 4 locations for each line

Please note:  
this model DOES NOT support remote control of devices in other rooms.



3105VDU38IRT

# Infrared Video and Telephone Distribution Unit

## 3 Inputs to 8 TV Outlets and Infrared Capability

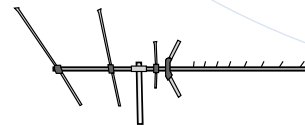


Modulator Input 'A' for the distribution of devices such as surveillance cameras via a Modulator to all TV outputs of the VDU (Modulator sold separately)

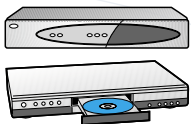
INPUT A has no Infrared control



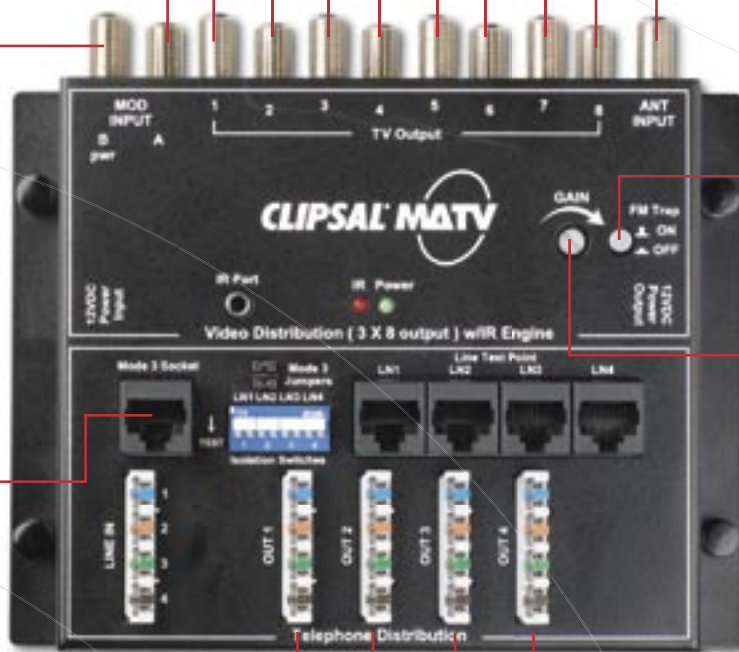
Distributes Digital Ready TV to 8 locations of your choice



Antenna input

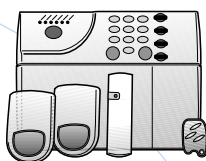


Modulator Input 'B' for the distribution of Pay TV, DVD, video via a Modulator (Modulator sold separately)

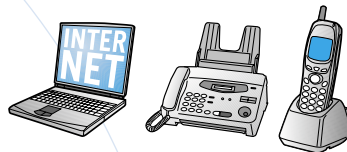


Has a selectable FM trap for filtering out unwanted signals

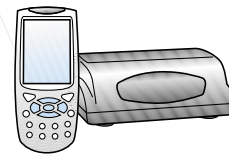
Variable gain control for adjusting output signal strength to optimum levels



Has a Security connection for your Security System Alarm Dialler



Distributes 4 telephone, internet or fax lines up to 4 locations for each line



Enables the user to remotely control Pay TV, DVD's etc from another room in conjunction with the Clipsal IR products

# INFRARED CONNECTIONS

## INFRARED REQUIREMENTS



**EMITTER LEADS**



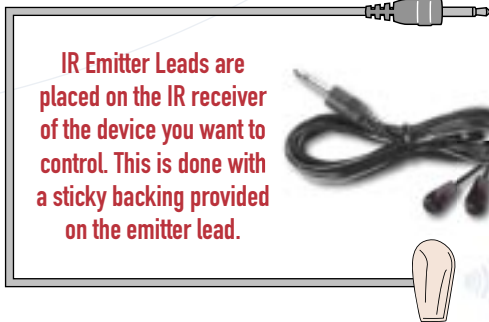
**INFRARED TARGET**

To remotely control devices from other rooms you will need (in addition to your Clipsal Modulator and Video Distribution Unit - 3105VDU38IRT) a set of Emitter Leads and an Infrared Target for EACH ROOM you want to remotely control your devices from.

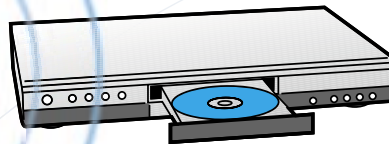
### EMITTER LEADS

### Main Entertainment Area

Emitter Leads are connected to the modulator

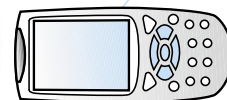
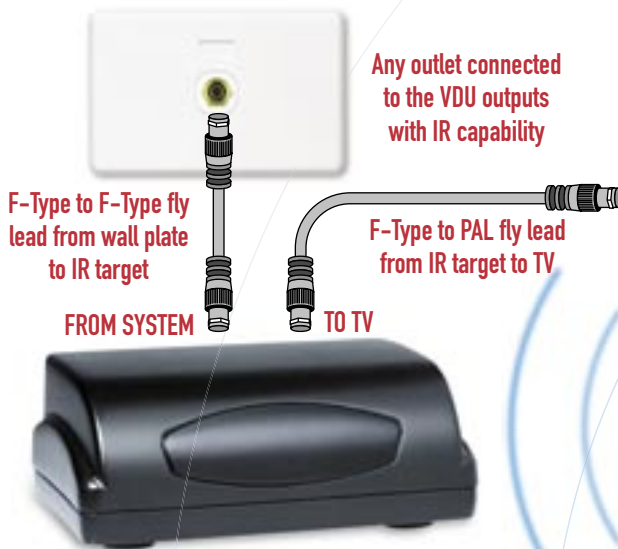


Modulator must be connected to Modulator INPUT B of the 3105VDU38IRT



### INFRARED TARGET

### Other Rooms Requiring Remote Control Facility



# INSTALLATION MADE EASY

## STEP 1

### Plan Your Installation

There is no substitute for good planning when it comes to organising digital services. Make sure the home owner makes good use of **The Builders and Renovators Digital Services Planner**.

**Q: How many TV outlets do I need?**

**Q: Do I require the remote control facility?**

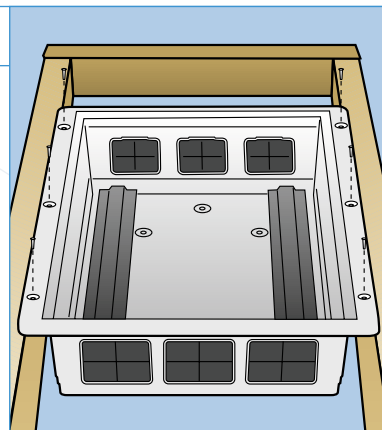


## STEP 2

### Mounting the Enclosure

Select a suitable location for the enclosure in the home - this could be a central location (eg. a linen closet) or a remote location (eg. a garage).

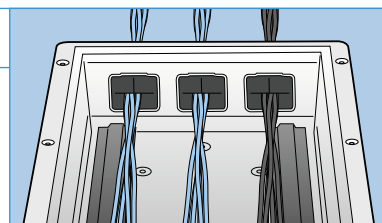
There is a template included with the enclosure to ensure simple installation. The enclosure can be fixed to the wall via the studs or can be fixed in place with suitable wall anchors.



## STEP 3

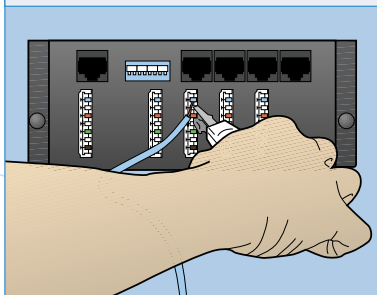
### Inserting Cable In Knockouts

Use a sharp knife to make a suitable incision in the apertures to accommodate the cables. Thread the relevant cables through the top knock-out holes (allowing sufficient spare cable at the enclosure).

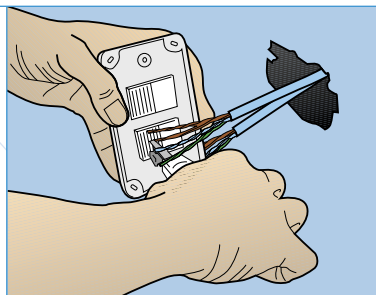


## STEP 4

### Terminating Cables



Using a punchdown tool, terminate all relevant cables to the Telephone Distribution Unit within the enclosure. Terminate all coaxial cables with F-Type connectors.



Terminate all relevant cables to the required wallplates. Many combinations of wallplate are available and they could include any of the outlets shown to the right.



RG6 Coax

Analogue and digital free-to-air and Foxtel/Austar TV services



Cat 5e Data

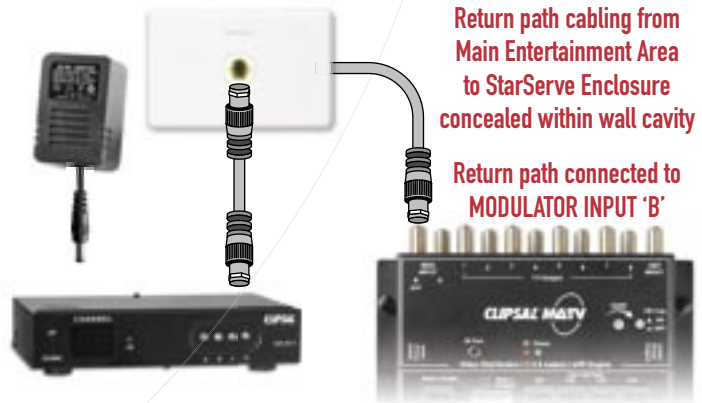
Telephone, internet, data networking, fax and future digital distribution

# STARSERVE POWER OPTIONS

## OPTION 1

### Remotely powered from the Modulator

To power the VDU remotely via the modulator, slide the Remote Power switch on the side of the Clipsal IR Modulator to "ON". In this setup, DO NOT connect a Plug Pack directly to the VDU.

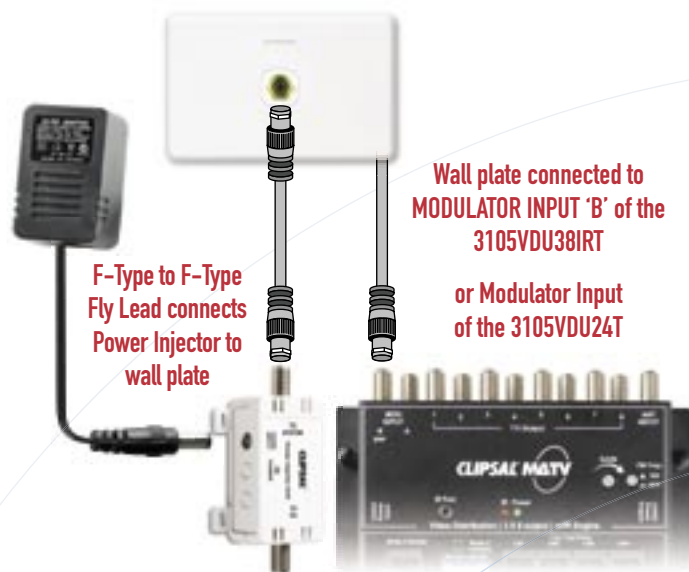


**This is the most PREFERRED option**

## OPTION 2

### Remotely powered from the Power Injector

The StarServe Video Distribution Unit has been designed to be remotely powered, allowing the flexibility of installing the StarServe Enclosure in any location.



## OPTION 3

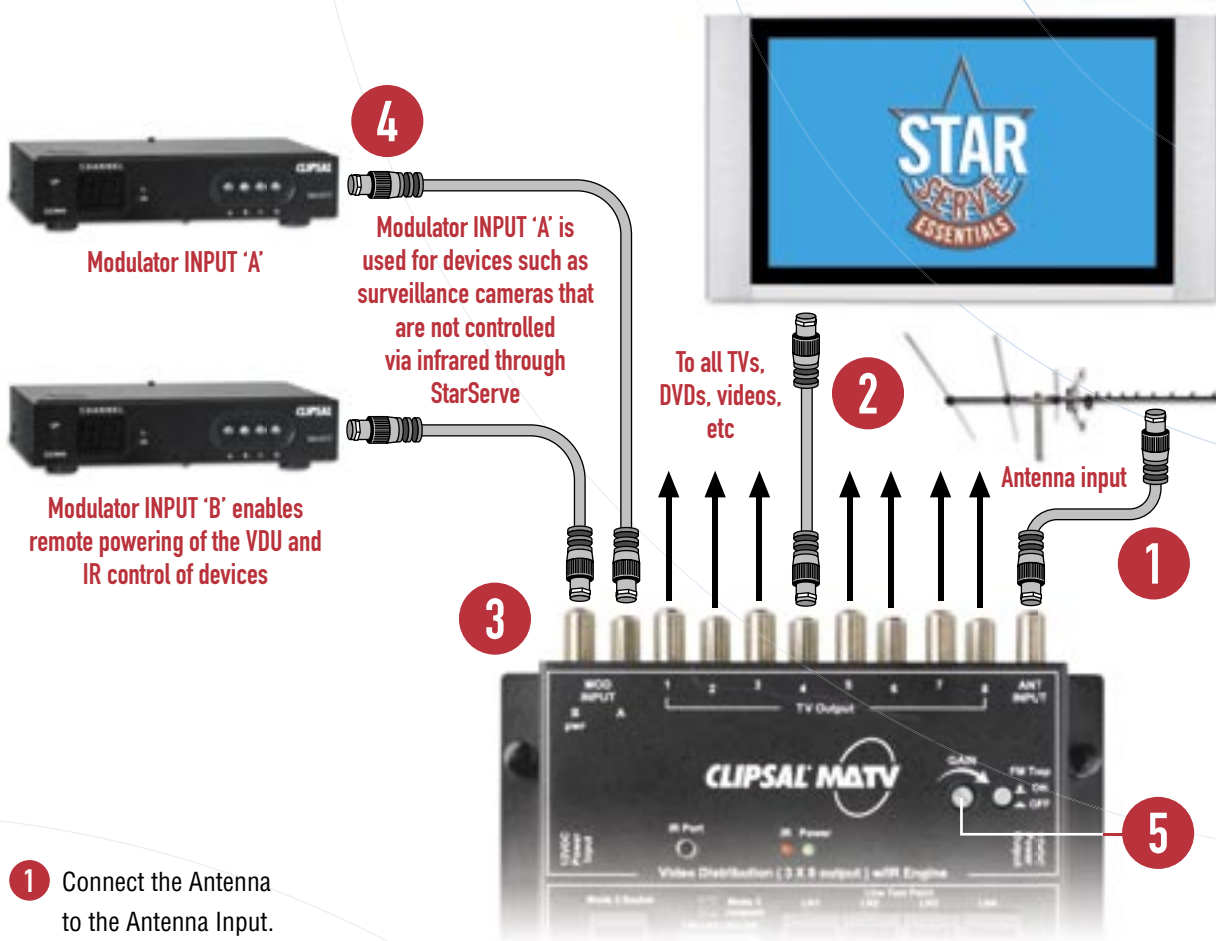
### Plug Pack at the Video Distribution Unit

Directly connect the 12V d.c. 1.0 Amp Plug pack to the 12V d.c. power input jack on the VDU. This option is only recommended for enclosures with power access.





## TV WIRING DIAGRAM



- 1** Connect the Antenna to the Antenna Input.
- 2** Connect up to 8 televisions or videos to the TV outputs.
- 3** Connect the Modulator (if required) for Pay TV, DVD and videos to Modulator Input "B". This connection is used to power the VDU and allow for the distribution of IR throughout the system.
- 4** Connect the Modulator (if required) for surveillance cameras and other devices to Modulator Input "A".
- 5** Use the variable gain control to adjust to the optimum signal strength.

### FM Trap Switch

### Filter Out Unwanted Interference

In the event of FM interference affecting TV channels switch to "ON" position. NOTE - When "ON" FM radio frequency will be blocked to all outputs.

### Gain Control

### Achieve Optimum Signal Strength

The gain control is used to increase or decrease the signal strength received by the antenna. The ideal signal strength for an Analogue and Digital TV Service is 65-74dbuV. Maximum Gain = +5 dbuV (Increase in signal Strength). Factory setting Maximum Attenuation = -15dbuV (attenuation is the decrease of signal strength).


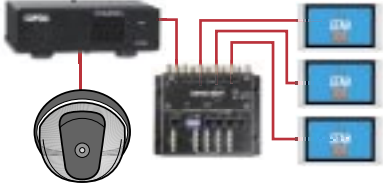
- The adjustment of signal strength to all outlets is made easy.
- The Video Distribution Unit is treated as ONE TV OUTLET when choosing an appropriate antenna.


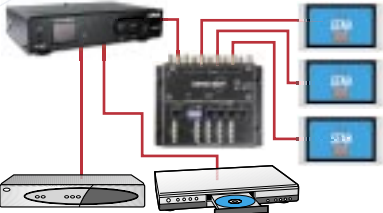



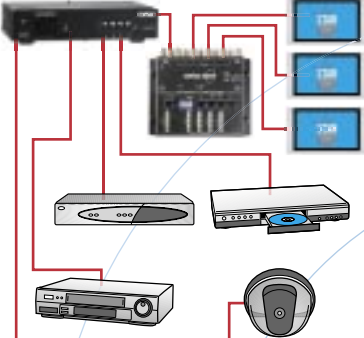
## MODULATORS

A Modulator is used to convert video composite signals to a selectable UHF frequency for redistribution to all outlets connected to the Clipsal StarServe Video Distribution Unit. Example: a Four Channel Modulator is used for the distribution of Pay TV, DVD, video plus one other device to all TVs within the home connected to Clipsal StarServe.

Here is a guide to help you make the right choice:

8071VMP	One Channel Infrared Modulator	
	Description	Connection Example
	<p>Allows the distribution of <b>1 DEVICE</b> to all televisions connected to the StarServe network</p>	

8072VMPPIR	Two Channel Infrared Modulator	
	Description	Connection Example
	<p>Allows the distribution of <b>2 DEVICES</b> to all televisions connected to the StarServe network</p>	

8074VMPPIR	Four Channel Infrared Modulator	
	Description	Connection Example
	<p>Allows the distribution of <b>4 DEVICES</b> to all televisions connected to the StarServe network</p>	



## STARSERVE PRODUCT MATRIX



3105ABC



3105VDU24T



3105VDU38IRT



TV OUTLETS	1-4	1-4	1-8
IR ENGINE	NO	NO	✓ YES
IR TARGETS	NONE	NONE	1-7
PHONE LINES	4 PER PAIR - 4 Extensions per incoming line		

## CHOOSING THE RIGHT ENCLOSURE

To choose the correct enclosure, take into consideration the number of cables you have.

3105ABEN



8000MEN



8000PEN



Coax Cables	1 - 11	1 - 11	1 - 21
Telephone Cables	1 - 4	1 - 4	1 - 8
Data Cables	1 - 4	1 - 16	1 - 48
Recessed Finish	YES	Flushing Kit Available (8000MENFK)	Flushing Kit Available (8000PENFK)
Surface Mount Finish	NO	YES	YES



## OTHER STARSERVE ENCLOSURES

**8000MEN**

**StarServe Mid Size Enclosure**



**The StarServe Mid Size Enclosure** is suitable for today's small office or home office where data networking is required.

You can easily create your own data networking environment complete with active equipment such as modems and routers, all encased in a neat package.

You also have the flexibility of distributing your television cabling from this multipurpose enclosure and there is plenty of room to add new cabling in the future.



### Features include:

Removable hinged door

Easy access

Surface mountable

Flush mounting kit available

### RECOMMENDED CABLE ALLOWANCE

Coax Cables	1 - 11
Telephone Cables	1 - 4
Data Cables	1 - 16



## OTHER STARSERVE ENCLOSURES

**8000PEN**

### StarServe Professional Enclosure



**The StarServe Professional Enclosure** is all the Mid Size Enclosure is and so much more. There is space for up to 48 Data Outlets, twice as many television outlets and plenty of room to accommodate active equipment.

#### Features include:

Removable hinged door - easy access

Flush mounting kit available

#### RECOMMENDED CABLE ALLOWANCE

Coax Cables	1 - 21
Telephone Cables	1 - 4
Data Cables	1 - 48



## ACCESSORIES

### PATCH PANELS

#### FOR MID SIZE ENCLOSURES

**8052/4RJSMB**



TELEPHONE PATCH PANEL  
2 LINES IN, 4 LOCATION PER LINE

**8058/8RJSMB**



DATA 8 PORT PATCH PANEL  
(8 OUTLETS)

#### FOR PROFESSIONAL ENCLOSURES

**8052/4RJ**



TELEPHONE PATCH PANEL  
2 LINES IN, 4 LOCATION PER LINE

**8058/8RJ**



DATA 8 PORT PATCH PANEL  
(8 OUTLETS)

### ETHERNET SWITCHES



**95ESW5P10/**

**95ESW8P10/**

Create a data network  
within your home.

### AUDIO VISUAL BALUNS



**8000AVB**

Connect cameras and other active devices such as projector screens  
and DVD players to other locations within the home.

The 8000AVB contains 2 Baluns.

### FLYLEADS



**3105FL318MBQ**

**3105FL318MWQ**

There is no substitute for  
quality TV reception.

We recommend RG6  
Quadshield Flyleads for all  
MATV and  
StarServe installations.




## COMPLIMENTARY PRODUCT RANGE


Product	Description
	Coaxial Cable
<b>2B6Q3B</b>	

Product	Description
	High Quality Flylead WHITE
<b>3105FL318MWQ</b>	

	F-Type Connector
<b>3105RG6F</b>	

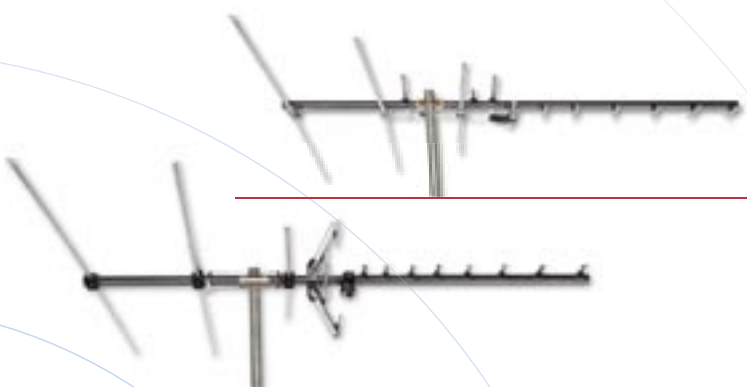
	Data/Telephone Outlet CAT 5e
<b>30RJ88SMA5</b>	

	F-Type Outlet
<b>30PFM</b>	

	Data/Telephone Outlet CAT 5e, Shuttered
<b>30RJ88SMA5SH</b>	

	High Quality Flylead BLACK
<b>3105FL318MBQ</b>	

	Data/Telephone Cable
<b>2D4P5IPV3B</b>	



Your picture quality will only be as good as your antenna. You must have a Digital Ready Antenna for optimum TV reception.

For more information about Antennas and Mounting Accessories, obtain a copy of the **Digital Ready MATV Antennas brochure** (O/N 9285)





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2 5 4 7 7 2 5

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Follow the links off the home page or access the following page directly:  
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