Technical Overview

The Videospa and Videochef range of ruggedised water resistant TV sets have been created for use within bathrooms and kitchens in homes and luxury hotels.

Manufactured by Videotree Limited in the UK they have a number of features which make them uniquely suited for use within all wet areas.

These include:

- 12 inch high quality NEC industrial specification LCD screen
- Phantom Power - keeping high voltage away from the viewing area
- Single cable delivery of 12 volts power & TV for easy installation
- Integrated water resistant speakers
- Water resistant hand held infrared control
- Videospa features an inbuilt heater to prevent misting in steamy bathrooms

Options

- Interchangeable fascias to match appliances or fixtures and fittings
- Hardwired wall mounted remote control unit
- Sky channel selection from the bathroom or kitchen
- Interoperability with Hotel Pay for View systems
- Surface mounted or flush fitting

All systems are straight forward to install usually requiring only a single coaxial cable to carry both power and TV signals. The Phantom Power supply unit may be situated up to 80 metres from the viewing location and is typically positioned in the loft, or adjacent to the SKY Digital [TM] decoder where applicable.

Videotree

Videospa & Videochef

kitchen & bathroom

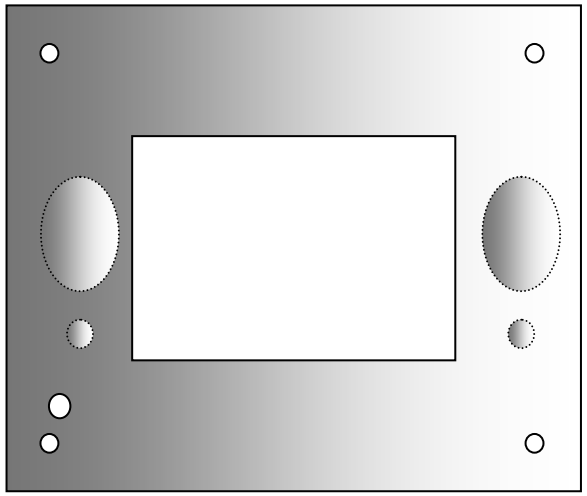
entertainment

EQUIPMENT SPECIFICATION

Function	Videospa & Videochef
Overall Dimensions (mm)	484(W) x 330(H) x 65(D)
Backbox Dimensions (mm)	460(W) x 305(H) x 60(D)
Weight Kg	4.6
Display area (mm)	246 (H) x 184.5 (V)
Drive System	a-Si TFT active matrix
Display Colours	262,144 colours
Number of Pixels	800 x 600
Pixel Arrangement	RGB Vertical stripe
Pixel Pitch	0.3075 (H) x 0.3075 (W)
TFT Module Size (mm)	280.0(H)x210.0(V)x 13.0(D)
Contrast Ratio	350:01:00
Viewing Angle	H: 55. V:40 D:50
Supply Voltage	
Backlight	3.3v [5.0v] (logic, LCD Driving)
Backlight	Edge light type, two cold cathode florescent lamps. Replaceable.
Power Consumption	20W
TV Standard	NTSC/PAL/SECAM Multistandard
Audio	Stereo 2 x 2 Watts
Input Signal	RF/PAL
Input Connecter	Coaxial
RF Selection	Tuning
On Screen Graphics	Selectable via handset
Certificates	LowVoltage Directive 73/23/EEC
Colour/Finish	Brushed Steel, Polished Steel,White Enamel. Others on application
Heater Unit	6W
User Control	Power on/off
SKY Digital Slave	Yes
Phantom Power Unit	
Dimensions mm	82(W) x 55(H)x 24(D)
Power input/output	12V
Power input Connecter	2.5mm jack
RF Singal Input	F Type Connector
RF/Power output	F Type Connector
Transmission distance	RF & Power 12V - 80m
Power Supply Unit	
Input Voltage	90-264VAC
Current	1.2Arms Max.
Frequency	47-63 Hz
Output Voltage	12V
Output Connector	F Type Connector
Remote Control	
Dimesions (mm)	61(w) 157(L) x 22(D)
Power	2x AA Batteries
Control Functions	Standby, Volume, Brightness, Channel up/down, contrast, Channel Programming. Learning/user definable keys.

Due to continuous development the manufacturer reserves the right to change specification without notice

Videotree



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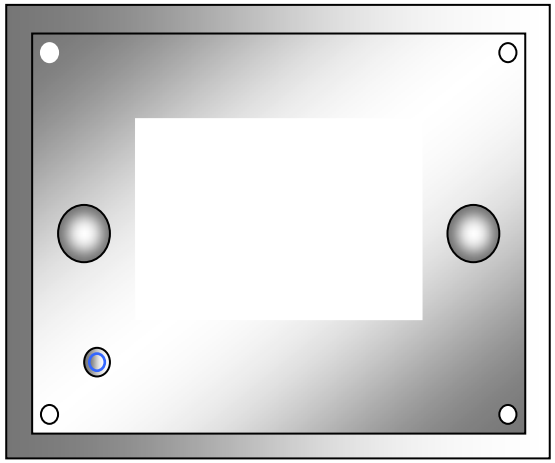

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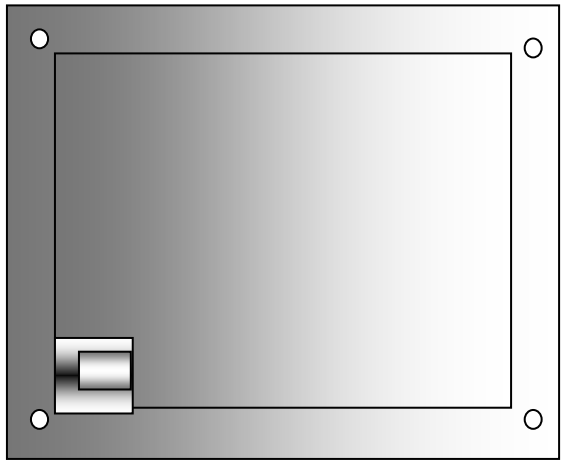

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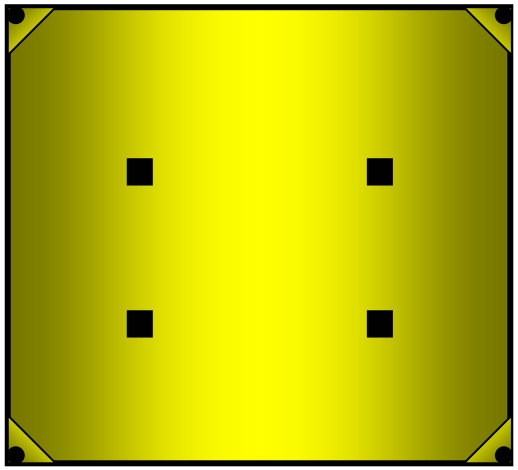

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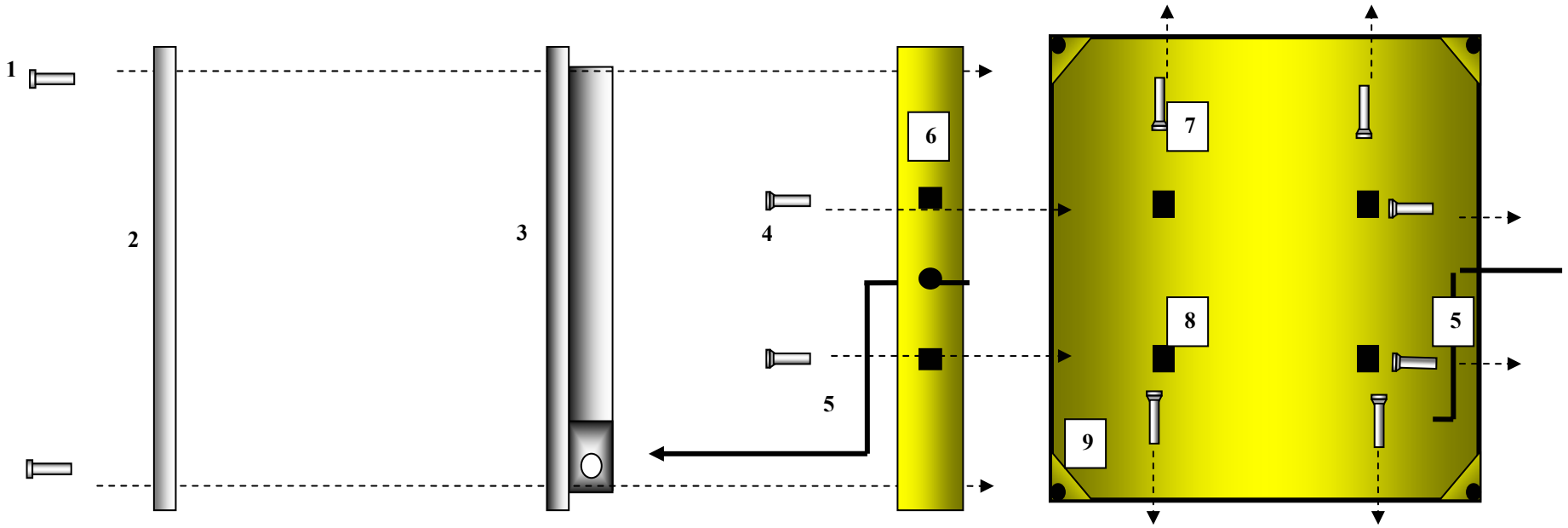
Key

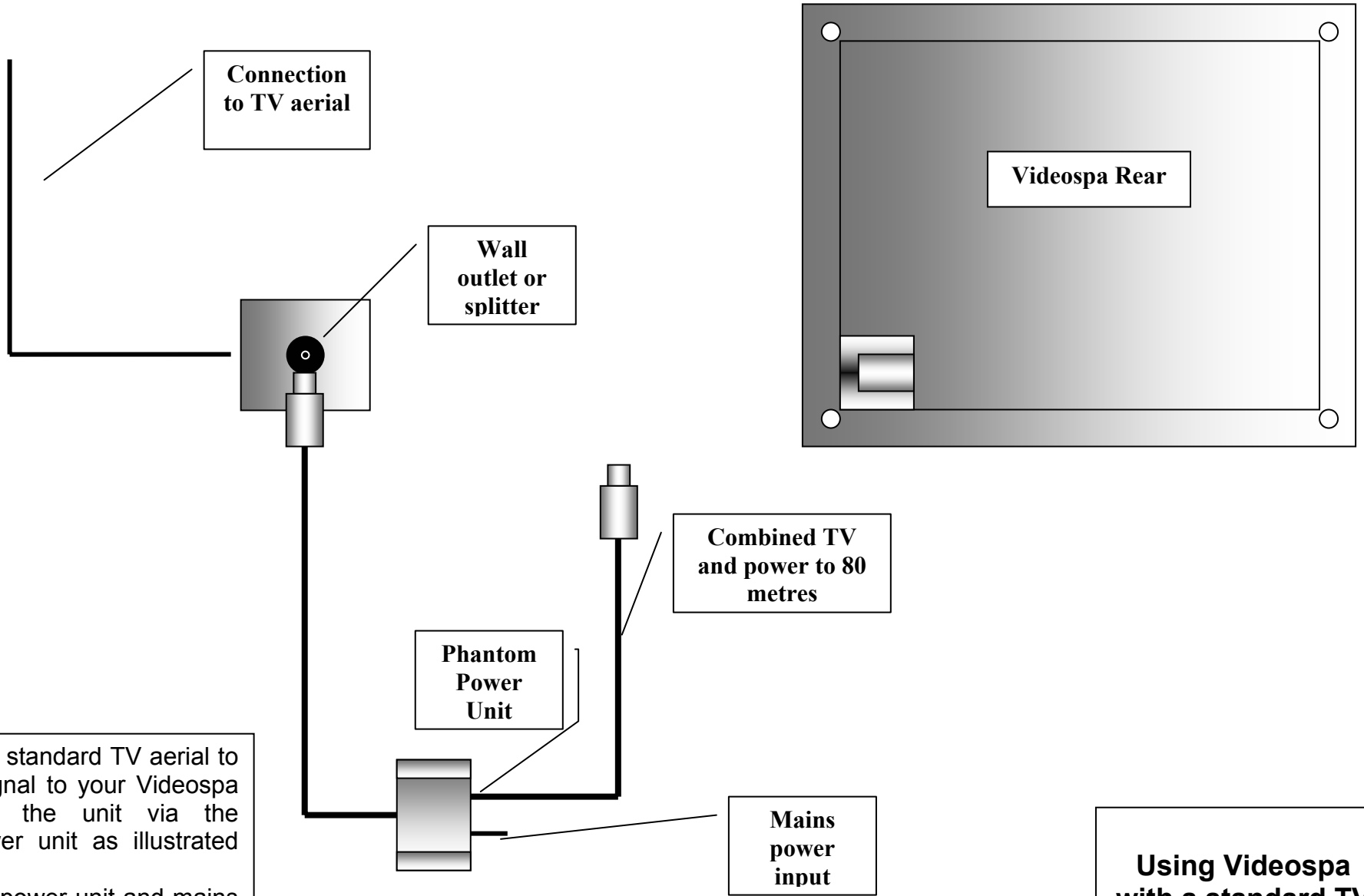
1.Front Panel
2 Electronics system unit (front)
3 Electronics system unit (rear)
4 Back box (front)

Subsystem schematic



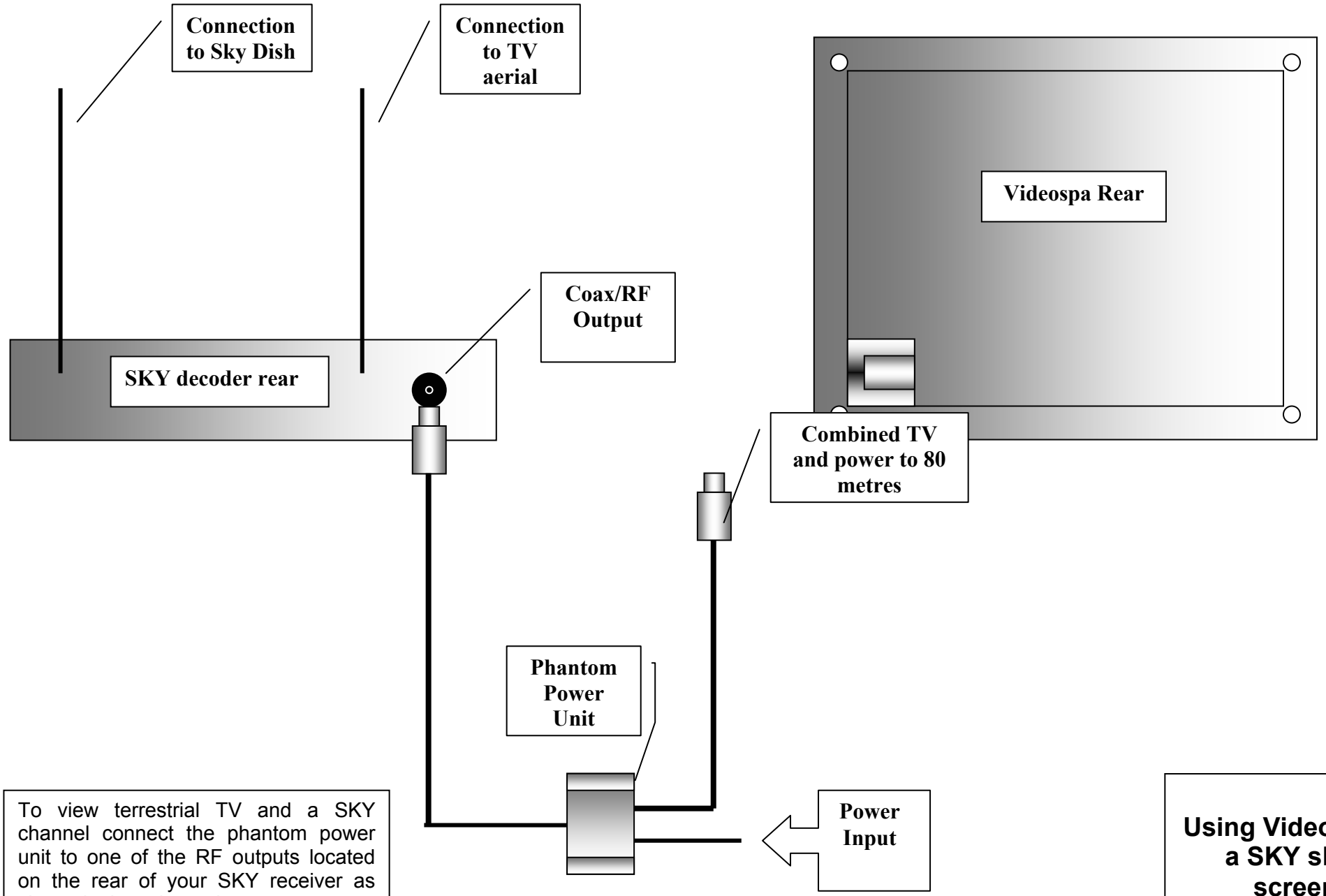
Key
1 Front panel screws
2 Front panel
3 System unit
4 Rear mounting screws
5 Aerial & power input cable
6 Side mounting holes
7 Side mounting screws
8 Rear mounting holes
9 Front panel screw mount

Mechanical Installation Schematic



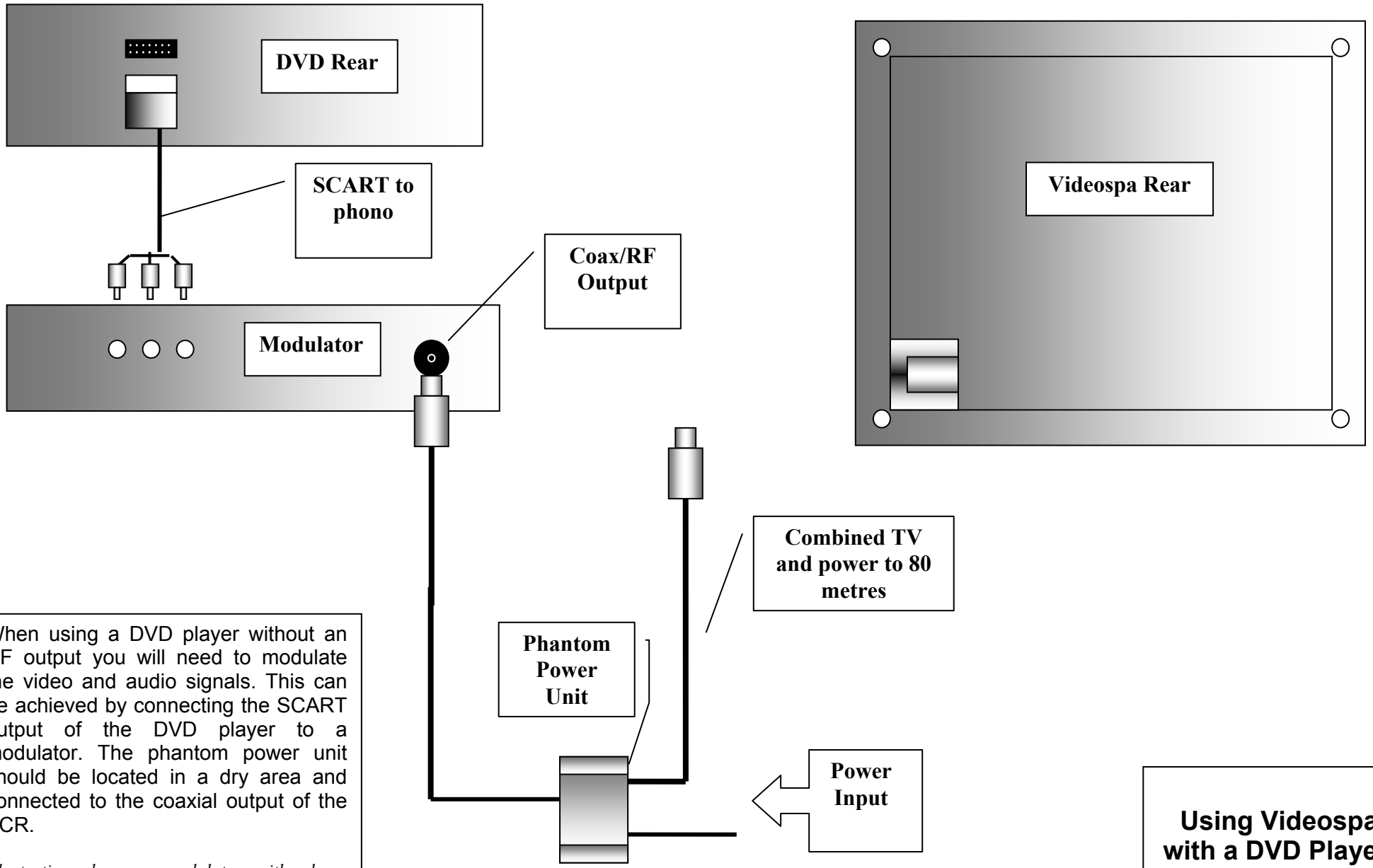
When using a standard TV aerial to supply the signal to your Videospa unit connect the unit via the phantom power unit as illustrated below.
The phantom power unit and mains adapter should be locate in a dry area well away from the bathroom in either the loft or other convenient

Using Videospa with a standard TV Aerial



To view terrestrial TV and a SKY channel connect the phantom power unit to one of the RF outputs located on the rear of your SKY receiver as shown in the schematic.

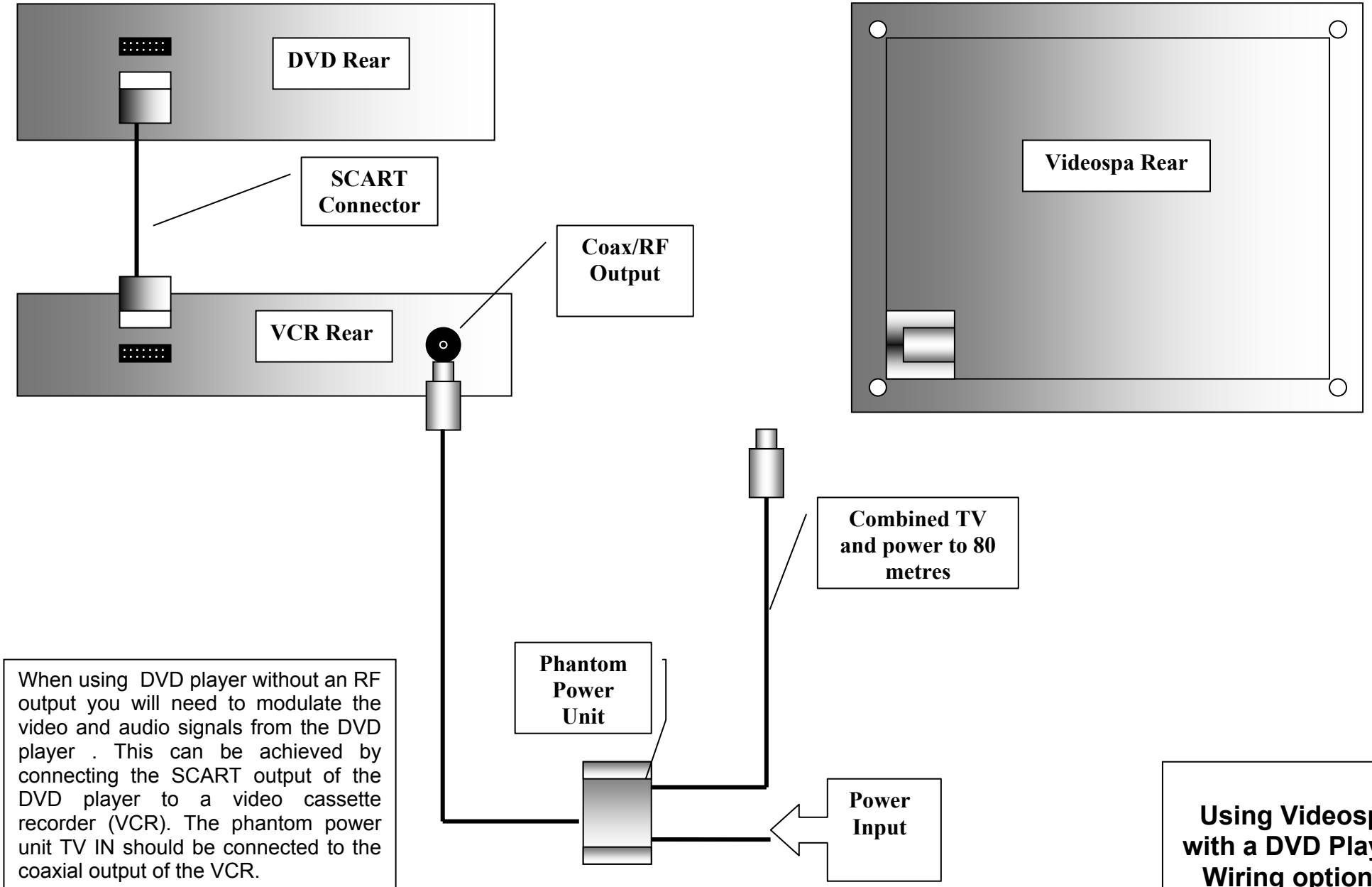
Using Videospa as a SKY slave screen.



When using a DVD player without an RF output you will need to modulate the video and audio signals. This can be achieved by connecting the SCART output of the DVD player to a modulator. The phantom power unit should be located in a dry area and connected to the coaxial output of the VCR.

Illustration shows a modulator with phono inputs, a modulator with SCART input may be used

Using Videospa with a DVD Player. Wiring option 1



When using DVD player without an RF output you will need to modulate the video and audio signals from the DVD player . This can be achieved by connecting the SCART output of the DVD player to a video cassette recorder (VCR). The phantom power unit TV IN should be connected to the coaxial output of the VCR.

Using Videospa with a DVD Player. Wiring option 2