

Converts an HDMI or CVBS signal into a digital Freeview compatible signal and combine into a TV system

The **EM6990** takes an HD signal via the HDMI input or a CVBS and stereo signal via the phono inputs

The unit encodes the signal and modulates it into a DVB-T COFDM channel before combining it with your other digital signals for distribution on to your TV system.

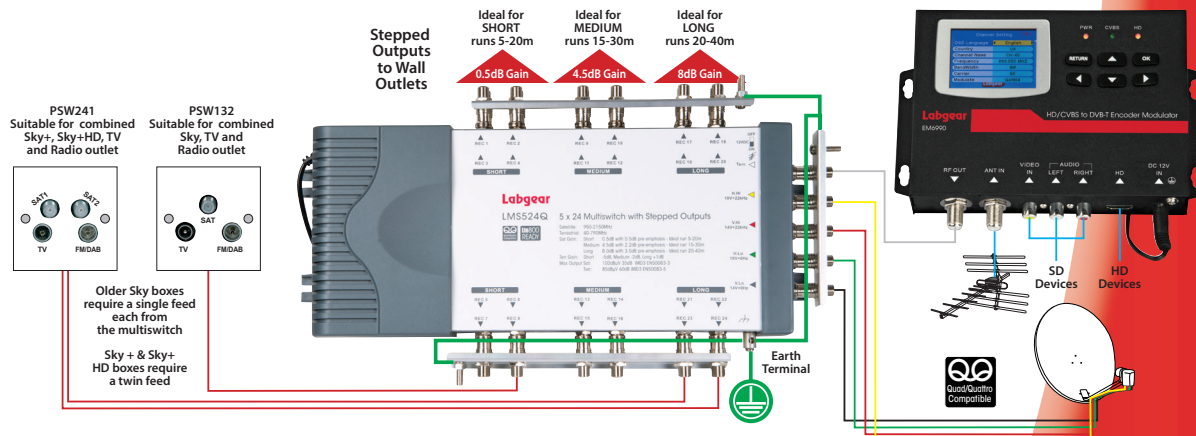
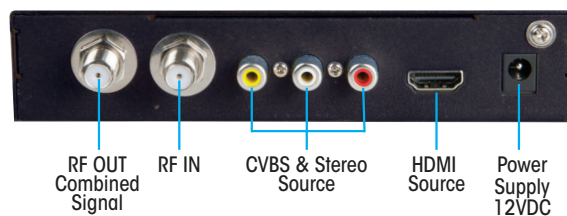
- Ideal for a wide range of HD signal sources Blu-ray, CCTV, Satellite receiver etc. with HDMI or phono output
- High quality stable image ideal for displays, security or distribution
- RF Output compatible with both HD and non HD TV tuners
- Easy to install into existing TV distribution systems
- Broadcast quality construction
- Improved clear colour display and simplified step-by-step configuration

## Applications

- Installation in communal TV systems to provide security or information channels
- Use in business locations to provide information or advertising
- Use in retail, hotel or public spaces for high impact displays



EM6990 connections



Modulator Section	
DVB-T	
Standard	DVB-T COFDM
Bandwidth MHz	6, 7, 8
Constellation	QPSK, 16QAM, 64QAM
Code rate	1/2, 2/3, 3/4, 5/6, 7/8
Guard Interval	1/32, 1/16, 1/8, 1/4
MER	35dB
Frequency range	470-860MHz select by Channel No.
Output Level	70-100dBuV step 1dBuV
Output Impedance	75Ω
System	
Management	LCD + control keys
Language	English
LCN Insertion	Yes
Upgrade	Micro USB
General	
Power supply	12VDC
Dimensions	180 x 128 x 48mm
Weight	562g
Operating temp.	0-45° C

Encoding Section	
HDMI Encoder	
HDCP1.3 Compliant	
Compression	H.264 - bitrate 5-15Mb/s
Version	HDMI 1.4 (1.3 compatible)
Interface	HDMI x 1
Video	Input
	Output
	Resolution
	Aspect Ratio
	Bit rate
Audio	Compression
	Sample Rate
	Bit rate
	Interface
CVBS Encoder	
Video	Compression
	Interface
	Input
	Output

## Function flow chart

