

# The MRG DVP100

## Digital to analogue transmodulator

By converting the new digital signal back to analogue the DVP100 conserves existing analogue TV stock and offers a solution that significantly eases the switchover for any organisation with an analogue TV distribution network.

The DVP100 features up to eight PAL modulated channel outputs on a single F style connector. The content of each channel can either be from one of the internal DVB-T tuners (up to 6), or from one of five standard phono audio/video connections at the rear of the unit. An Infrared input enables any system capable of selecting channels on a Sky receiver the same control. Three digit Sky codes are mapped to internal controls allowing for selection of channels on each decoder plus channel rescan and video input selection. The selection of outputs is controlled locally via the front panel touch screen or remotely via a network or serial interface. An optional front panel video LCD, output video phono connector and audio speaker allows for monitoring of the unit.



### Main Features include:

- Preserves existing TV stock. No need to purchase new TV's
- No retuning of existing TV stock required in most circumstances
- No out-of-hours installation expenses necessary
- Up to six digital decoders
- LBO's: Manage your own switching between SIS, Turf TV and Sky
- Easy to use integrated touchscreen panel for rapid tuning and setup. No need for separate control box or computer
- Optional TV Monitor screen
- Optional AV Monitoring
- Controllable from any systems as a Sky decoder
- No modifications required to existing cabling
- Fanless, convection cooled
- Head-end installation eliminates the complex cabling requirements that some other solutions use
- Highly scalable modular design means the unit can be tailored to your exact requirements
- COFDM (DTT) to UHF (PAL) transmodulator / converter
- Single RF input and Output via (IEC or F connector)
- Auto DTT channel search
- Can be configured remotely via LAN and web browser

## Back Panel



## Touchpanel User Interface



## Technical Details

<b>RF Input Connector Type</b>	F socket
<b>Input frequency Range</b>	474 - 850 Mhz (UK)
<b>Input Modulation type</b>	COFDM DVB-T (DTT) / ETS300 744 DVB-T compliant
<b>Modulation modes</b>	16QAM 64QAM QPSK
<b>Guard interval</b>	1/32 1/16 1/8 1/4 symbol duration
<b>FEC</b>	1/2 2/3 3/4 5/6 7/8
<b>RF Output connector</b>	F output signal ~82dBµV Typ.
<b>External Inputs (x 5)</b>	Video PAL I pkpk 75R / Audio Mono or Stereo line level 20k
<b>IR Outputs (x 2)</b>	Modulated 5v for use with IR Diode
<b>Output frequency range</b>	460 – 880 MHz (UHF) 45 – 460 (VHF)
<b>Output modulation type</b>	UHF CCIR PAL I
<b>Output channel range</b>	21 – 69 (UK)
<b>Local Interface</b>	Touchscreen
<b>Remote interface</b>	LAN / serial port
<b>Power</b>	30W Max. 90–240V AC 50/60Hz
<b>Dimensions</b>	W 453 x H 90 (with bracket) x D 258 mm