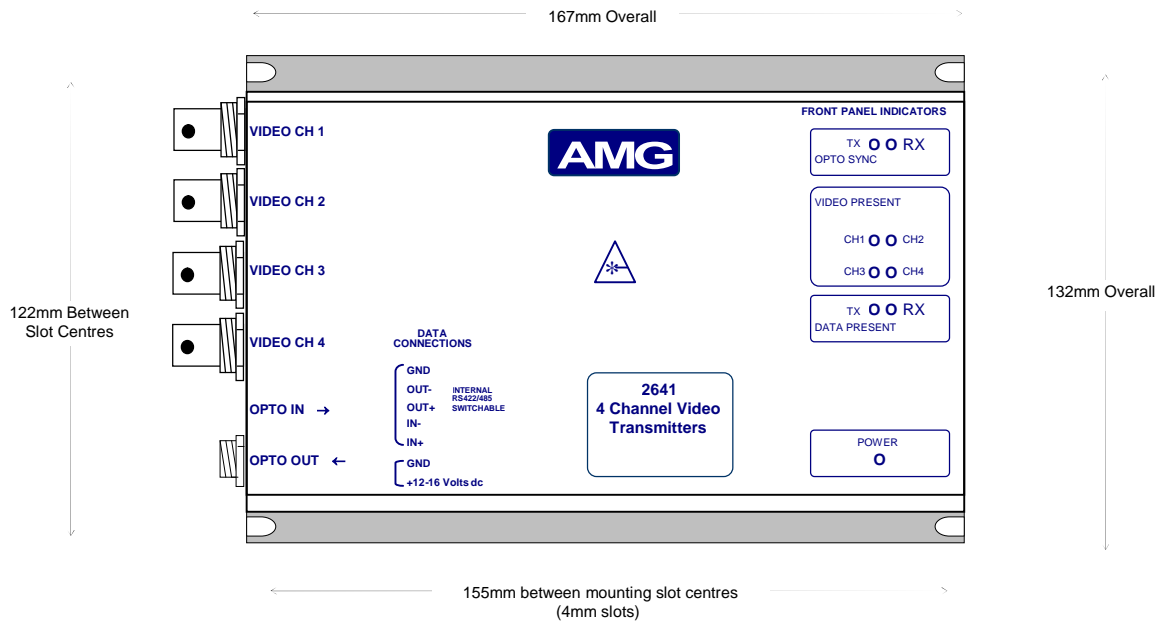




AMG2641 Instruction Manual

Four Channel Video Only Standalone Transmitter



The **AMG2641** is a standalone four channel video transmit unit designed to transmit four video signals on a single multimode optical fibre. It is designed to be powered from an **AMG2002** power supply.

The **AMG2641** is designed to operate with the **AMG2642R** four channel video receivers.

Connections

Video Input Connections

Connector 4 off 75 ohm BNC Socket.
 Input Impedance 75 ohm terminated.
 Input Level 1 volt p-p nominal
 Frequency Response 10Hz to 5.75MHz min.

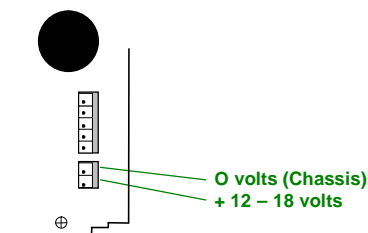
Optical Connections

OPTO OUT
 Connector ST
 Optical Launch Power -5dBm
 Wavelength 1310nm

Power Connection

Connectorremovable screw terminal connector (3.5mm spacing)
Manufacturers Part No. Phoenix/Combicom MC1-5/2-ST-3.5
AMG Part No.G00047-00
Power requirement12 volts to 16 volt DC @ 750mA (1
amp turn on current)

Connections..... See schematic
+12 – 16 Volts on lower pin
0 Volts on upper pin



Indicators

Power	Green	– unit powered
	Off	– no power applied to unit
Opto Sync TX	Green	- optical channel transmitting
	Off	- optical channel not transmitting
Video Present CH1 to CH 4.....	Green	– video signal present on video CH1 input BNC
	Off	– no video present on video CH1 input BNC

Physical Information

Dimensions

Height 109mm
Width..... 218mm
Depth 70mm
Weight..... 500grams

Mounting Details

The unit is designed to be mounted into a panel via the two mounting slots of 4.5mm x 10mm.

Safety

The 2600 series of products uses a Class 1 laser system in accordance with EN 60825-2:2000.

However it is always advisable to follow good practice when working with optical fibre systems. This includes:

- Do not stare with unprotected eyes or with any unapproved collimating device at fibre ends or connector faces, or point them at other people.
- Use only approved filtered or attenuating viewing aids

For other safety issues and advice on good practice associated with the optical fibres systems see EN 60825-2:2000 or your local safety officer.

Maintenance

There are no user serviceable parts within the AMG2600 products.
In case of problem or failure contact your local support centre or AMG Systems Ltd, Technical Support Department on tel. +44 (0) 1767 600777.

See unit data sheet for full specification.