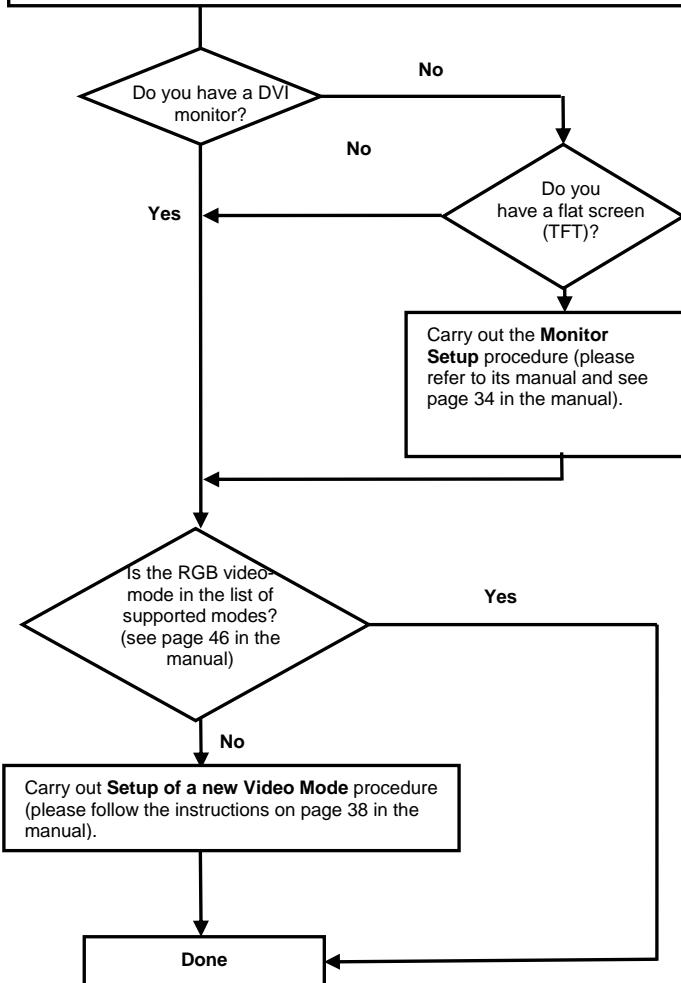


# Quick Setup

This section briefly describes how to install your RGB to DVI(VGA) Converter and optimize the video signals. Unless you are an experienced user, we recommend that you follow the full procedures described in the manual. The manual you can download from [www.scanmagnetics.com](http://www.scanmagnetics.com) / **service resources**. Refer to the command summary on page 10 when following this procedure.

## Install system

1. Connect the RGB to DVI(VGA) Converter to the RGB (video) source.
2. Connect a display to the RGB to DVI(VGA) Converter.
3. Connect the DVI(VGA) Converter to the Power supply
4. Power up the system.



# 1 Installation

For first-time users, we recommend that you carry out a test placement, confined to a single room, before commencing full installation. This will allow you to identify and solve any cabling problems, and experiment with the RGB to DVI(VGA) Converter more conveniently.

## 1.1 Package Contents

You should receive the following items in your RGB to DVI(VGA) Converter package:

You should receive the following items in your RGB to DVI(VGA) Converter package:

- RGB to DVI(VGA) Converter unit S-RDC-4.
- RGB(S) to DVI-I cable
- 6V DC 12W universal power supply for RGB to DVI(VGA) Converter.
- DVI-I to VGA adaptor (DVI-I dual link male to HD15 female) connector.
- Data Cable DSUB9male- DSUB9female
- Programming cable (DB9 female to RJ11 4p4c).
- User manual (Quick Setup).
- EU-type power cord (Schuko)
- Infrared Remote Control (IR-RC)

If anything is missing, please contact Technical Support.

## 1.2 System Setup

To install your RGB to DVI(VGA) Converter:

1. Switch off all devices.
2. Connect your TFT directly to the device; connect a VGA screen by using the equipped DVI-I to VGA adaptor.



*Attention: Connect the VGA monitor cable to the adapter; then plug in the adapter into the device. Otherwise, the VGA mode is not detected, DVI output is generated and there will be no picture on the screen (see also Diagnostic LED's on page 1 in the manual).*



*Under some circumstances, if your TFT supports both DVI and VGA through a DVI-I cable, it might be necessary to use an additional DVI-I to DVI-D adaptor to get a DVI output. Please contact technical support for this accessory.*

3. **RGB:** Connect the graphic source to the input connectors using the equipped 4xBNC-to-DVI adaptor. Please note, for connecting a CGA or EGA source, connect the optional CGA-to-DVI adaptor or EGA-to-DVI adaptor instead of the 4x BNC-to-DVI adaptor.

**VGA:** Connect the graphic source to the input connectors using the VGA to DVI-I Cable which is an optional feature.

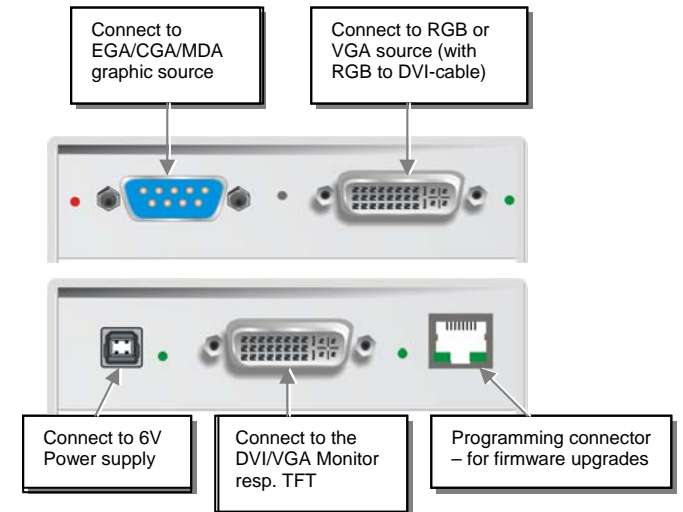
**EGA/CGA/MDA:** Connect the graphic source to the input connectors as shown in , using the equipped Data Cable DSUB9male- DSUB9female.

4. Connect the 6V power supply to power the unit.



Only use the power supply originally supplied with this equipment or a manufacturer-approved replacement.

5. Turn on the system

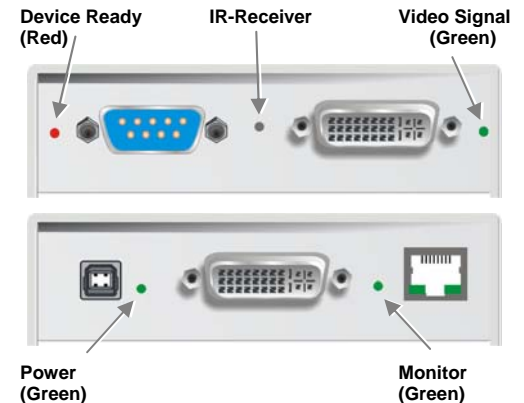


## 1.3 Diagnostic LED's

Each RGB to DVI(VGA) Converter is fitted with four indicator LED's: *Monitor Detect*, *Device Ready* and *Video Signal* and *Power*.

The *Monitor Detect* LED is to the right of the DVI output connector. The *Power* LED is to right of the power supply connector. The *Device Ready* is left to the EGA/CGA/MDA connector and *Video Signal* LED is right to the DVI Input conn.

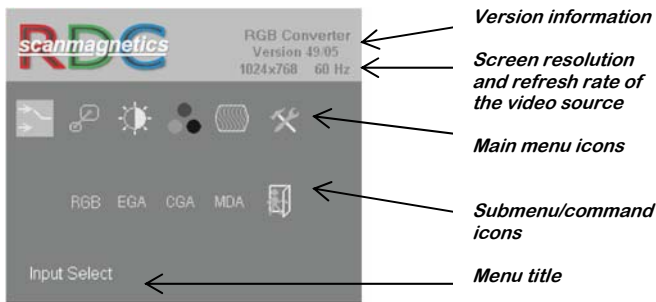
The location of the LED's is shown below:



Diagnostic LEDs on RGB to DVI(VGA) Converter		
LED	Appearance	Diagnostics
<b>Monitor Detect</b> (Green LED)	On	Attached DVI monitor (TFT) detected
	Flashing	Attached VGA monitor (CRT) detected
	Off	No monitor detected
<b>Device Ready</b> (Red LED)	On	Device ready
	Off	Device not ready
<b>Video Signal</b> (Green LED)	On	Attached and valid mode detected
	Off	No video signal or valid mode detected
<b>Power LED</b> (Green LED)	On	Device ready
	Off	Device not ready

## 2 Device Control

If you are using the CGA/EGA/MDA input or use an RGB format stored in the internal table, no adjustment should be required. In other cases, you may need to optimize the output using the RGB to DVI(VGA) Converter's on-screen display (OSD).



You can adjust the following properties using the IR-RC:

- Brightness/contrast
- Auto Configuration ON/OFF
- Color, Color Temperatur adjustments
- Brightness/contrast
- Input Image Sizing
- Output Image Scaling and Sizing
- Video Mode selection for similar Video Modes (see Table on page 46)
- OSD operation, factory reset.

### 2.1 Opening the OSD

You can access the OSD in two ways:

- Using the equipped Infrared Remote Control (IR-RC).
- Using our WINDOWS™ program with a serial connection to the progr. port.

#### 2.1.1 Using the IR-RC

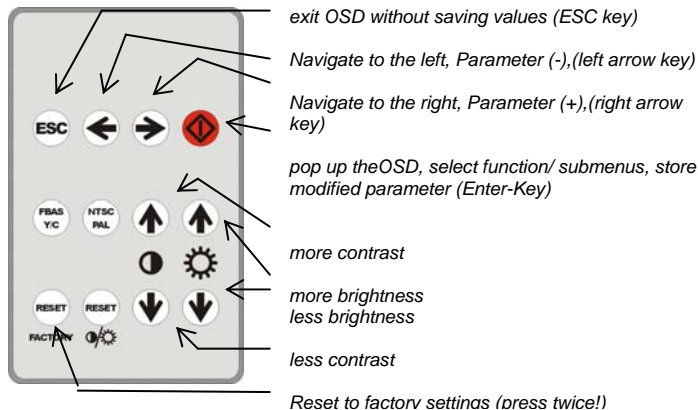


Table os supported Video-Modes			
TYPE	Hres	Vres	V-freq Hz
MONA S5	442	416	54,4
AS 230 / 235 / OS 252	448	288	50,0
GBE 3977 - 64x32	448	288	50,0
DCC 555a	504	280	50,0
WF 470	512	240	49,1
WF 470 / AS 215	512	256	50,1
WF 470 / AS 215	512	512	50,0
WF 470 neu	512	245	50,1
DCS 560	560	288	50,0
DISET - 80x25	560	288	50,0
GBE 3977 - 80x48	560	288	50,0
GEM 80 graph i	560	224	50,0 / 60,0 / 75,0
GEM 80 graph progr.	560	448	50,0 / 60,0 / 75,0
MONA-C	560	413	58,2
WF 480	580	480	60,0
ABB MOD 300	640	385	60,0
CGA	640	200	60,0
COROS LS-C	640	405	59,1
CP 526 highres. 50 Hz	640	468	50,0 / 60,0
CP 528 highres. 60 Hz	640	468	60,0
CP526/527	640	234	50,1
DOS graphic Mode	640	350	70,0
EGA (TTL)	640	350	59,9
GEM 80 text	640	288	48,8
IVE2	640	398	50,0
IVE3	640	379	50,0
IVE4	640	385	50,0
MAC Mode	640	480	66,7
OP 398 K	640	400	60,0
Prokon 1	640	432	53,8
Prokon 2	640	288	83,1
Prokon 3	640	432	59,0
Vesa Standard	640	350	85,0
Vesa Standard	640	400	85,0
Vesa Standard	640	480	60,0 / 72,8 / 75,0 / 85,0
VGA	640	400	56,0 / 70,0
WF 480 / Gracis	640	480	59,9
NEC	642	200	60,0
Std.- VGA	656	496	59,9
NTSC (halfline)	680	240	60,0
ABB DSAV110	720	336	50,0
ABB DSAV111	720	336	61,2
DOS Text Mode	720	400	70,0
Hercules monochrom	720	350	49,8
NTSC Interlaced	720	240	60,0
NTSC progressive	720	480	60,0
PAL Interlaced	720	288	50,0
PAL progressive	720	576	50,0
Teleperm / DS 078	720	408	60,0
VDU 2000 Coros	720	405	59,1
Vesa Standard	720	400	85,0
PC-Textmode	738	414	70,1
MTBI	746	246	60,0
CP 527/ 60	800	468	59,9
Vesa Standard	800	600	56,2 / 60,3 / 72,1 / 75,0 / 85,0
MAC Mode	832	624	75,0
Industrie Standard (I)	1024	768	87,0
SUN Mode	1024	768	72,0
Vesa Standard	1024	768	60,0 / 70,0 / 75,0 / 85,0
DISET oversample	1120	288	50,0
DMT1185	1152	864	70,0
SUN Mode	1152	900	66,7
Vesa Standard	1152	864	75,0
GBE 3977 oversample	1164	288	50,0
1280 interlaced	1280	512	40,0
DMT127A	1280	960	75,0
SUN Mode	1280	1024	66,7
SXGA Unix	1280	1024	73,0
TV Mode	1280	768	60,0
TV Mode	1280	1024	50,1
Vesa Standard	1280	960	60,0
Vesa Standard	1280	1024	60,0 / 75,0



## RGB to DVI/VGA Converter

### S-RDC-4 (Quick Setup)



Dear Customer,

Before calling our Technical Support, please download the Manual and check the Steps for Trouble Shooting on Page 40.

Manual available from [scanmagnetics.com](http://scanmagnetics.com) / service resources section





## RGB/DVI converter

### Highlights

- *Perfect Image Quality at all Resolutions*
- *Output: Supports both VGA and the latest DVI video interfaces (future-proofing your investment)*
- *Input:  
Supports RGB, RGBS, RGBHV (VGA), CGA, MDA and EGA*
- *Output:  
Video Resolutions: 640x480, 800x600, 1024x768,  
1280x1024 @ 75Hz for use with CRT screens  
Video Resolutions: 640x480, 800x600, 1024x768,  
1280x1024 @ 75Hz for use with TFT Displays*
- *Output can be resized to match the screen dimensions:  
1:1 –original size within a black frame.  
Full screen –stretch to fill all available screen space  
Proportional - stretch to fill one screen dimension completely  
2:1 –double original size within a black frame*
- *More than 80 video formats are preinstalled in the internal table. Unknown video modes can be setup by the customer through an On Screen Display*
- *Integrating possibilities in switch boards by using mounting plates and in 19" boards by using rack mount kits: Mount up to 4 devices in 19"/1U.*

- Supports RGB, RGBS, RGBHV (VGA), CGA, MDA und EGA Input
- Supports both DVI and VGA output
- Output resolution up to 1280x1024
- Different scaling modes for best match to your application
- More than 80 presets for common video standards (incl. PAL/NTSC)
- On Screen Display (OSD) for customization to non-standard RGB sources

ORDER CODE : S-RDC-4 ( Complete KIT )

[scanmagnetics.com](http://scanmagnetics.com)