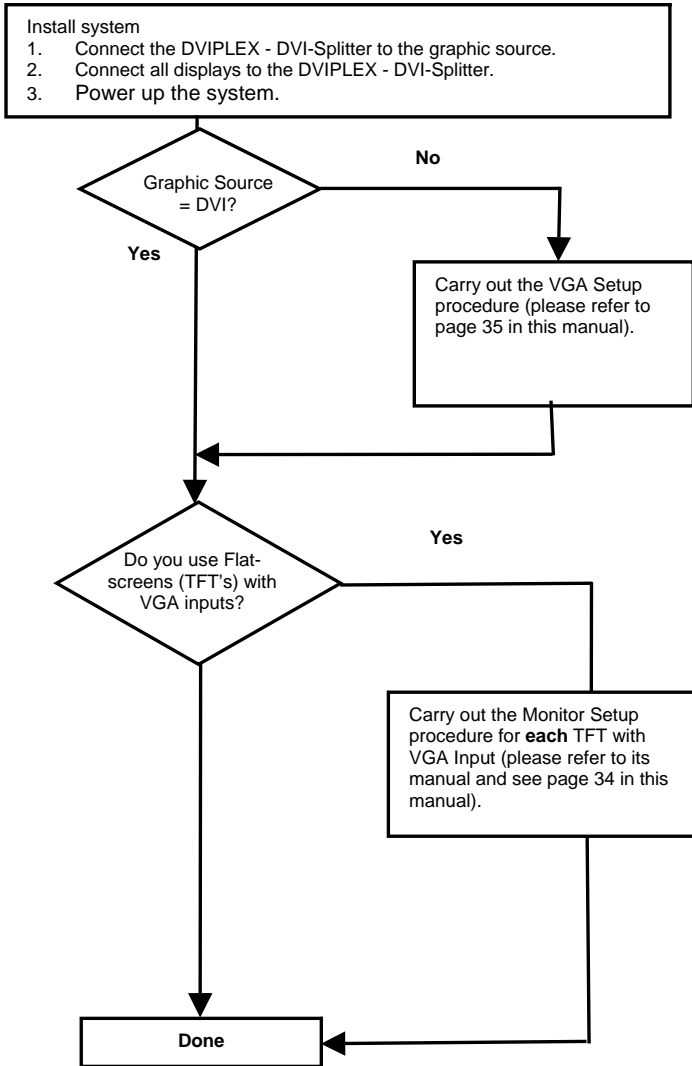


1 Quick Setup

This section briefly describes how to install your DVIPLEX - DVI-Splitter and optimize the video signals. Unless you are an experienced user, we recommend that you follow the full procedures described in the rest of this manual. The manual you can download on: http://www.ihse.de/pdf/b445-xx_e.pdf. Refer to the command summary on page 10 when following this procedure.



2 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 DVIPLEX - DVI-Splitter more conveniently.

2.1 Package Contents

You should receive the following items in your DVIPLEX DVI- Splitter package:

- DVIPLEX DVI- Splitter unit.
- 2 or 4 pieces (depending on device type 4port or 8port Splitter) DVI-I to VGA adapter (DVI-I dual link male / HD15 female).
- DVI CPU Cable 1,8m (DVI-I dual link male / DVI-I dual link male)
- VGA to DVI-I adapter (HD15 male / DVI-I dual link female).
- DVI-D to DVI-I adapter (DVI-D dual link male / DVI-I dual link female)
- User manual.
- German-type power cord.
- Infrared Recemote Control (IR-RC)

The 4port desktop devices has (in addition):

- 6V DC 20W universal power supply for DVIPLEX DVI- Splitter.

The devices with switchable ports have (in addition):

- serial CPU Cable DB9female/DB9male

If anything is missing, please contact Technical Support.

2.2 System Setup

To install your DVIPLEX DVI- Splitter:

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 adapter.
3. Connect the Graphic Source to the input connector, using the provided DVI CPU Cable. If you connect this device to a VGA Graphic Source, connect the CPU Cable first with the provided VGA to DVI adapter, then connect the adapter to the VGA-Graphic Source.
4. Connect the 6V power supply to power the unit.



Pay Attention: First connect your 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 -> no picture on screen. (See also Diagnostic LEDs)

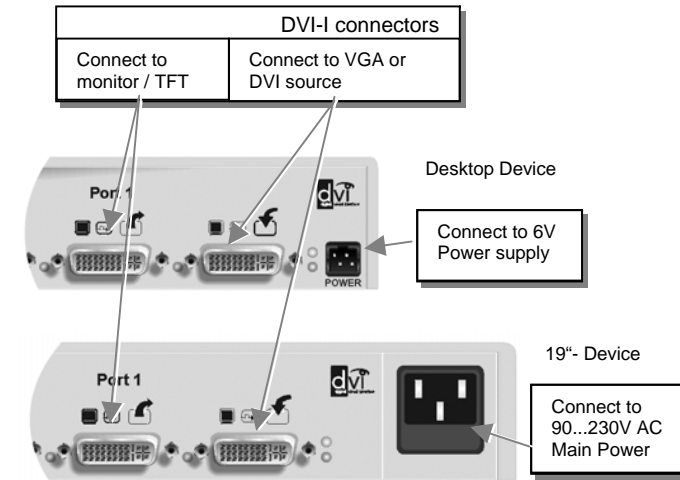


Under some circumstances (if your TFT supports both - DVI and VGA through a DVI-I cable) it might be necessary to use the DVI-I to DVI-D adaptor for getting a DVI output.



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

5. Power up the system.



2.3 Diagnostic LEDs

Each DVIPLEX DVI- Splitter is fitted with three indicator LEDs: *Monitor Detect*, *Device Ready* and *Video Signal*. The *Monitor Detect* LED is to the right of the video output connector. The *Device Ready* and *Video Signal* LEDs are next to the Power socket.

The location of the LEDs is shown below:

Monitor Detect

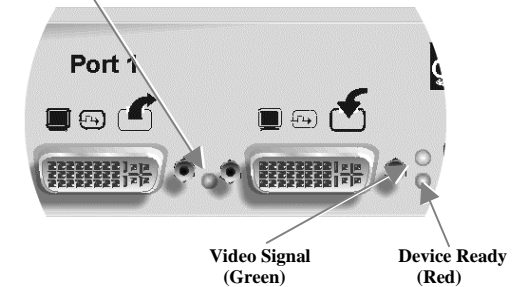


Figure Diagnostic LEDs on DVIPLEX DVI- Splitter

LED	Appearance	Diagnostics
Monitor Detect	On	Attached DVI monitor (TFT) detected
	Flashing	Attached VGA monitor (CRT) detected
	Off	no monitor detected
Device Ready (Red LED)	Off	Device not ready
	On	Device ready
Video Signal (Green LED)	Off	No video signal or valid mode detected
	On	Attached and valid mode detected

3 Device Control

If you connect this device to a DVI output, no adjustments should be necessary. In other cases, you may need to optimize the output using the DVIPLEX - DVI-Splitter's on-screen display (OSD).

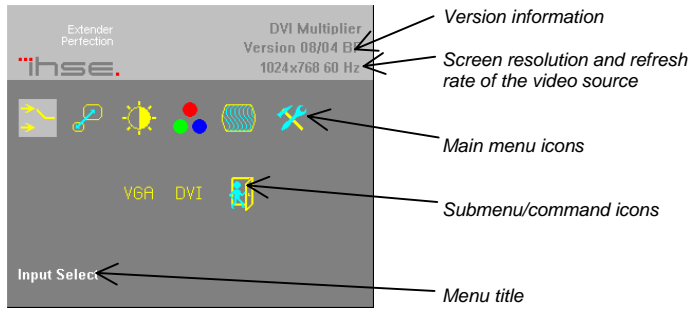


Figure OSD Utility

You can adjust the following properties using the OSD:

- Input select of VGA or DVI
- Output Image Sizing
- Brightness/contrast
- Color, Color Temperatur adjustments
- Setup of Pixelclock, Pixelphase and Picture Position
- OSD operation
- factory reset
- Auto Configuration ON/OFF
- Displaying a 'burst-picture' for Monitor Setup

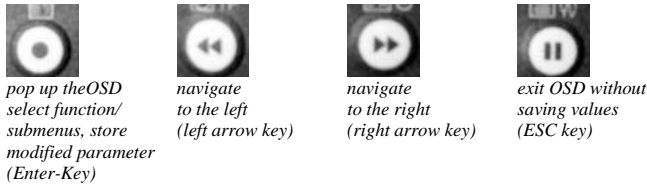
3.1 Opening the OSD

You can access the OSD in three ways:

- Using the equipped Infrared Remote Control (IR-RC).
 - Using a standard terminal program with a serial connection to the progr. port.
 - Using our WINDOWS™ program with a serial connection to the progr. port.
- There is a summary of OSD commands on page 10.

3.1.1 Using the IR-RC

To navigate within the OSD:



3.2 Jumper Settings

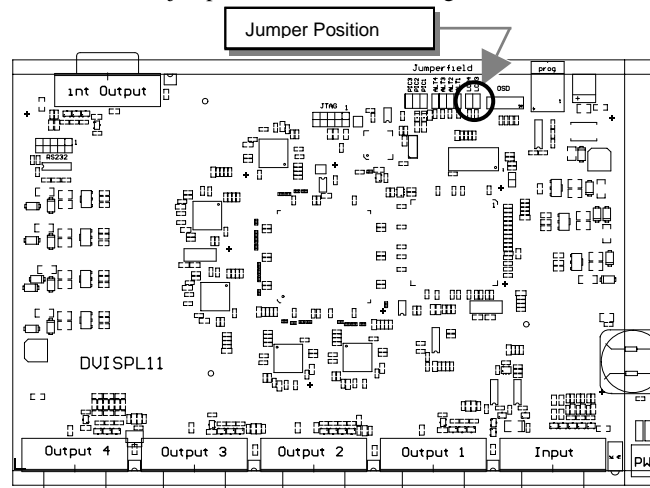
Normally it is not required to do any Setup Configurations, to make the DVIPLEX - DVI-Splitter running. In some special occasions, it can be necessary, to redefine the source for the DDC- Information for the CPU. The factory setting defines the DDC to be taken from the internal DDC table. If this setting does not satisfy your requirements, the DDC can either be switched off or can be taken from the the attached Screen on Port 1 or Port 2

To change the source of the DDC- information, it is required, to open the device. Unscrew the Philips type screws at both sides of the device and lift the upper shell.



3.2.1 Jumper Position

You will find the jumpers like shown in this figure:



Jumper			
LCD4	LCD3	DDC	Setting
plugged	plugged	internal	Internal DDC- Table used (factory default)
unplugged	plugged	Port 1	DDC used from Port 1
plugged	unplugged	Port 2	DDC used from Port 2
unplugged	unplugged	OFF	No DDC used

DVIPLEX DVI- Splitter

Type K445-xx

(Quick Setup)

suitable for:

- K445-4A: 4port DVI Splitter Desktop Device
- K445-4C: 4port DVI Splitter 19"- Device
- K445-8A: 8port DVI Splitter 19"- Device
- K445-4B: 4port DVI Splitter Desktop Device with switchable ports
- K445-4D: 4port DVI Splitter im 19"- Device with switchable ports
- K445-8B: 8port DVI Splitter im 19"- Device with switchable ports