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DVI - Signal Management

alphadidact<sup>®</sup>  
DVI

[www.alphadidact.com](http://www.alphadidact.com)





## alphadidact® DVI-Signal Management

### alphadidact® DVI Extender

The active DVI-Extender is especially made to boost DVI-signals.

Connection: 1 DVI-input to 1 DVI-output.

Dimensions: 8.3 x 6.9 x 2.5 cm



### alphadidact® DVI Repeater

The active DVI-Repeater is especially made to rebuild a DVI-signal. Once the DVI-signal is rebuilt, it again complies with the quality of the original graphic card signal.

Long cable runs can be bypassed without problems, at high resolutions and best quality.

Connection: 1 DVI-input to 1 DVI-output.

Dimensions: 15.3 x 6.9 x 2.5 cm



### alphadidact® DVI Switch 2/2 and 2/4

The active DVI Switch is to connect 2 DVI-sources with up to 4 DVI monitors or projectors.

alphadidact® DVI Switch-Boxes 2/2 and 2/4 can be delivered in different modes and can therefore be used very flexibly

Dimensions: 2/4-Switch 12 x 19 x 2.5 cm

2/2-Switch 11.3 x 11.7 x 2.5 cm



#### Technical details for all DVI products:

- ❖ Digital signal transfer DVI-D (single link)
- ❖ Screen resolution up to **1920 x 1200 @ 60Hz**
- ❖ HDTV resolution up to 1080p
- ❖ Max. pixel clock 165 MHz
- ❖ Max. DVI Bit Rate 1.65 Gbit/sec.
- ❖ Input DVI-I socket + Output DVI-I socket
- ❖ Compact and flat aluminum-case (brushed anodized aluminum)
- ❖ Including DVI-connection cable
- ❖ 3 year warranty
- ❖ Made in Germany

alphadidact®  
DVI



## alphadact® DVI-Extender

### Functions and installation of the alphadact® DVI-Extender

The active DVI-Extender is especially made to boost DVI-signals.  
Connection: 1 DVI-input to 1 DVI-output.

The longer DVI-cable must be connected directly between the signal source and the Extender.

PC or notebook  
with DVI-Output



DVI-cable  
up to 25m



Monitor or projector  
with DVI-Input

DVI-cable  
up to 2m





## alphadidact® DVI-Repeater

### Functions and installation of the alphadidact® DVI-Repeater

The alphadidact® DVI-Repeater is perfect for bypassing long cable runs. When connecting in series, multiple repeater can realize distances of more than 100 m.  
Connection: 1 DVI-input to 1 DVI-output.

**The longer DVI-cable must be connected directly between the signal source and the Repeater.**

PC or notebook  
with DVI-Output



DVI-cable  
up to 25m



Monitor or projector  
with DVI-Input

DVI-cable  
up to 2m

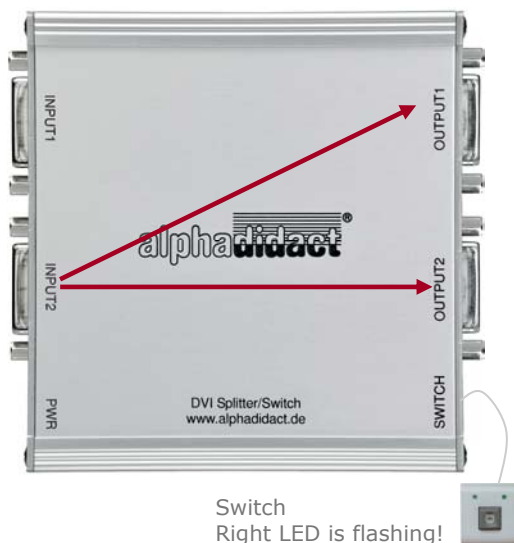
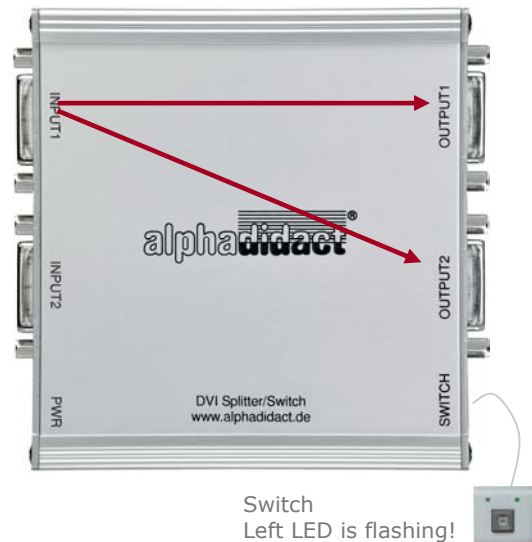
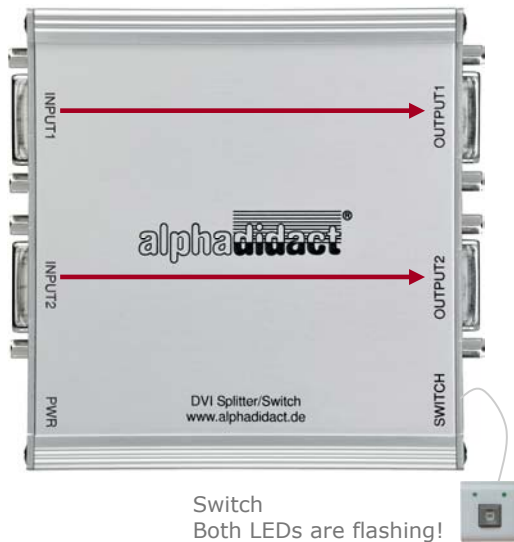




## alphadidact® DVI-Switch 2-2 Standard-Mode

Functions and installation of the alphadidact® DVI-Switch 2-2 (Standard-Mode 3way)

Please make sure the monitor is connected on the output that is opposite of the signal source! (e. g. pc to input 1 and monitor to output 1).

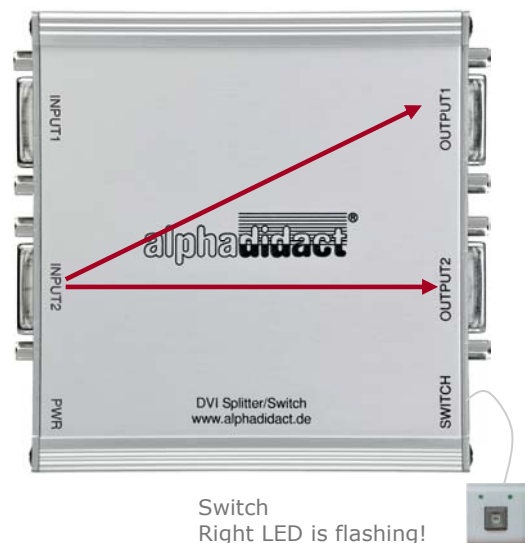
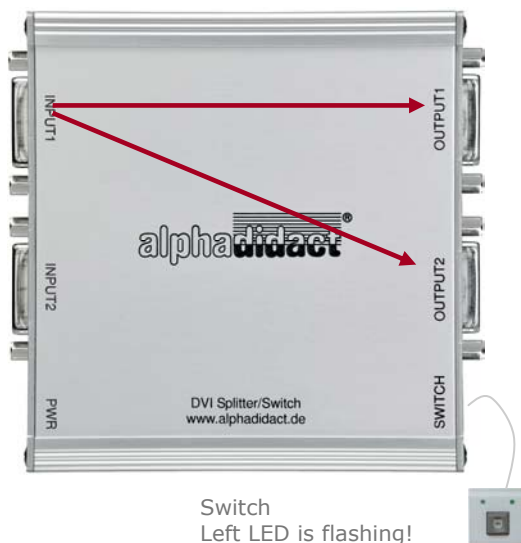
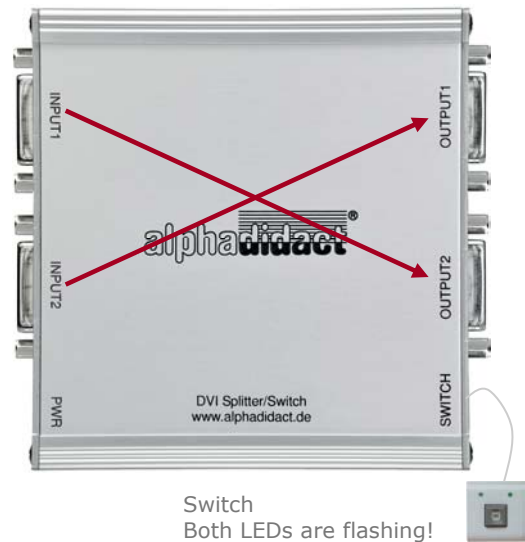
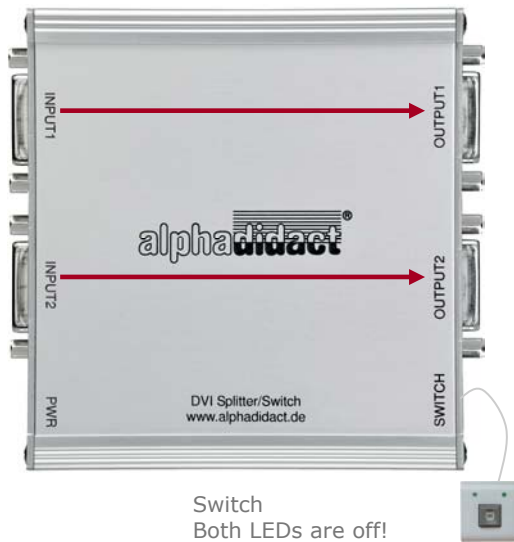




## alphadidact® DVI-Switch 2-2 Mode 4way

### Functions and installation of the alphadidact® DVI-Switch 2-2 (Mode 4way)

Please make sure the monitor is connected on the output that is opposite of the signal source! (e. g. pc to input 1 and monitor to output 1).

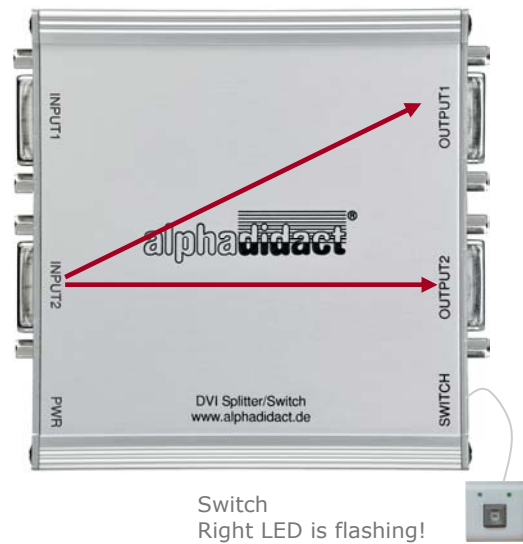
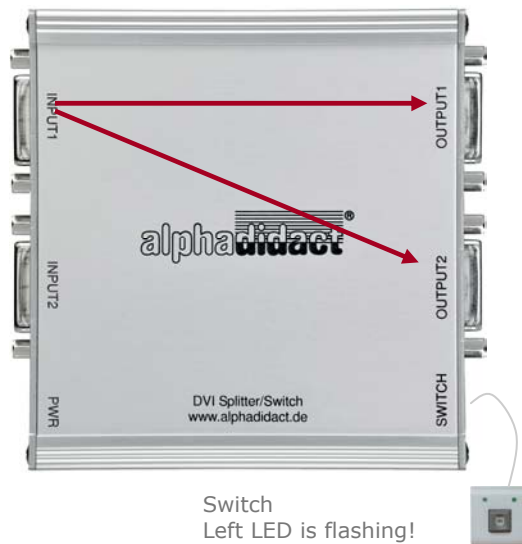




## alphadidact® DVI-Switch 2-2 Mode 3

### Functions and installation of the alphadidact® DVI-Switch 2-2 (Mode 3)

Please make sure the monitor is connected on the output that is opposite of the signal source! (e. g. pc to input 1 and monitor to output 1).





## alphadidact® DVI-Switch 2-2 Automatic-Mode (DA22\_A)

Functions and installation of the alphadidact® DVI-Switch 2-2 Automatic-Mode (DA22\_A)

Please make sure the monitor is connected on the output that is opposite of the signal source! (e. g. pc to input 1 and monitor to output 1).

Automatic switch responds to INPUT1.





## alphadidact® DVI-Switch 2-1 Automatic-Mode (DA22\_B)

Functions and installation of the alphadidact® DVI-Switch 2-1 Automatic-Mode (DA22\_B)

Please make sure the monitor is connected on the output that is opposite of the signal source! (e. g. pc to input 1 and monitor to output 1).

Automatic switch responds to INPUT1. DDC and video signal are transmitted simultaneously.



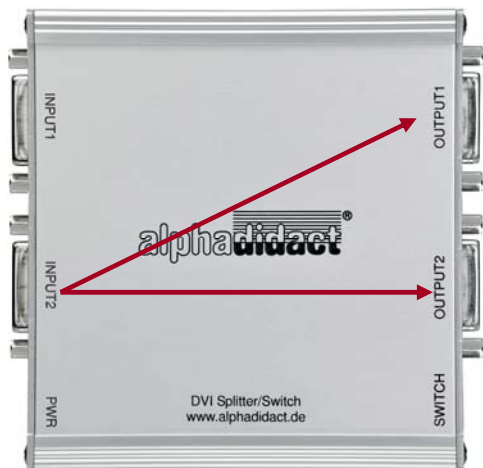


## alphadidact® DVI-Switch 2-2 Automatic-Mode (DA22\_C)

Functions and installation of the alphadidact® DVI-Switch 2-2 Automatic-Mode (DA22\_C)

Please make sure the monitor is connected on the output that is opposite of the signal source! (e. g. pc to input 1 and monitor to output 1).

Automatic switch responds to INPUT1.





## alphadidact® DVI-Switch 1-2 Fix-Mode (DF22\_12)

Functions and installation of the alphadidact® DVI-Switch 1-2 Fix-Mode (DF22\_12)

Please make sure the monitor is connected on the output that is opposite of the signal source! (e. g. pc to input 1 and monitor to output 1).





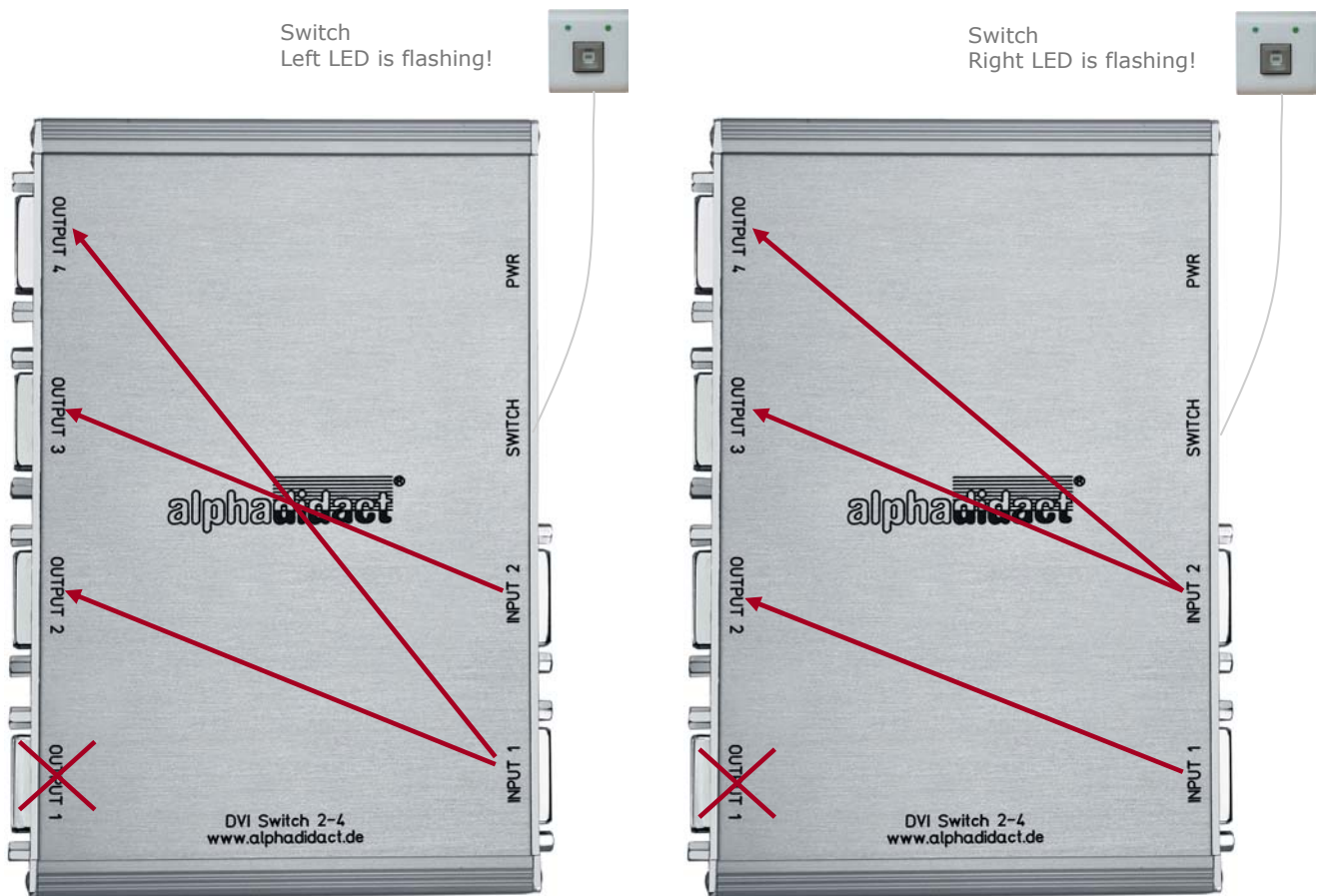
## alphadidact® DVI-Switch 2-4 Mode DM24\_A

Functions and installation of the alphadidact® DVI-Switch 2-4 (Mode DM24\_A)

When transmission via INPUT 1 monitor must be connected with OUTPUT 2!

When transmission via INPUT 2 monitor must be connected with OUTPUT 3!

OUTPUT 1 is not connected!





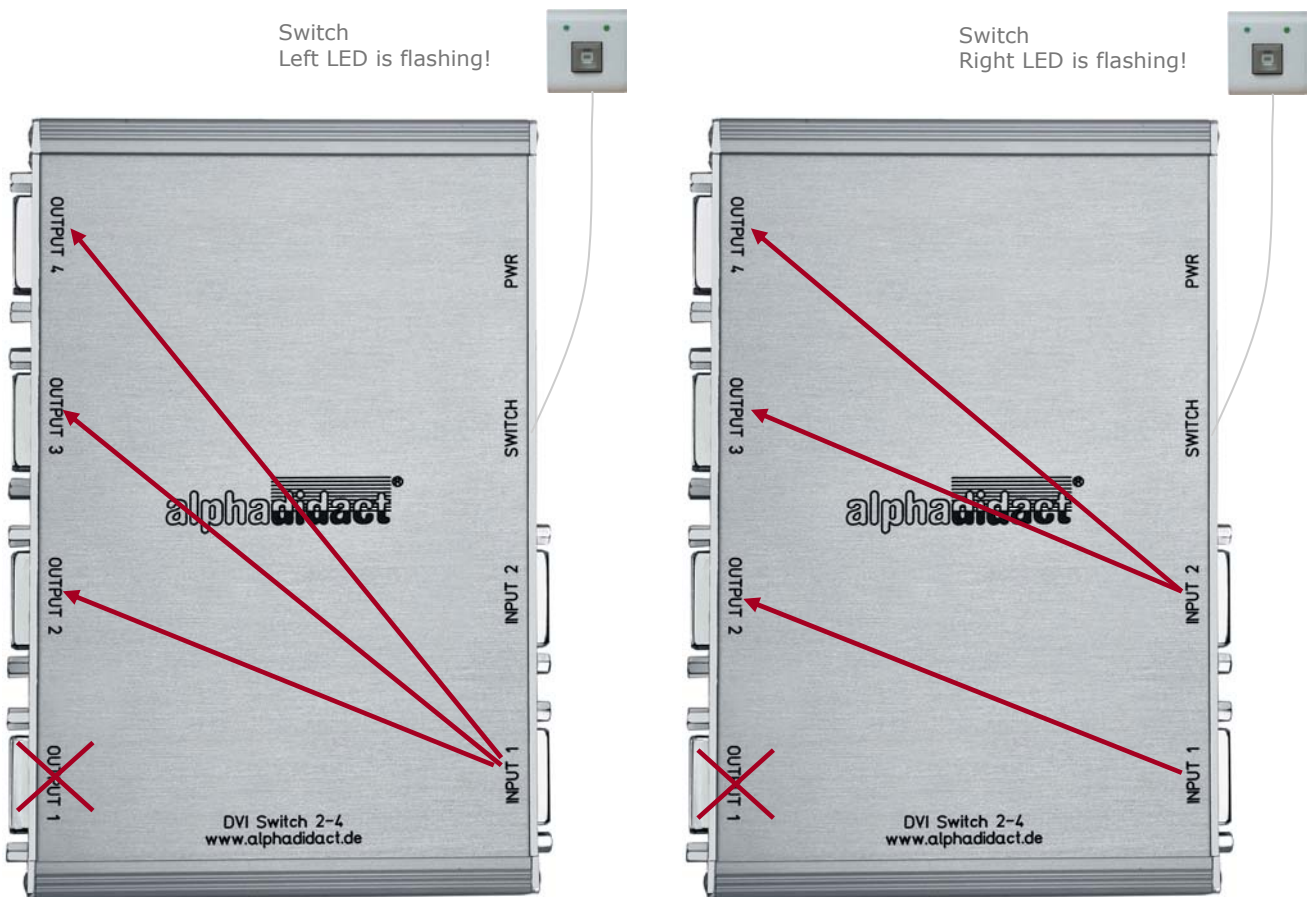
## alphadidact® DVI-Switch 2-4 Mode DM24\_B

Functions and installation of the alphadidact® DVI-Switch 2-4 (Mode DM24\_B)

When transmission via INPUT 1 monitor must be connected with OUTPUT 2!

When transmission via INPUT 2 monitor must be connected with OUTPUT 3!

OUTPUT 1 is not connected!



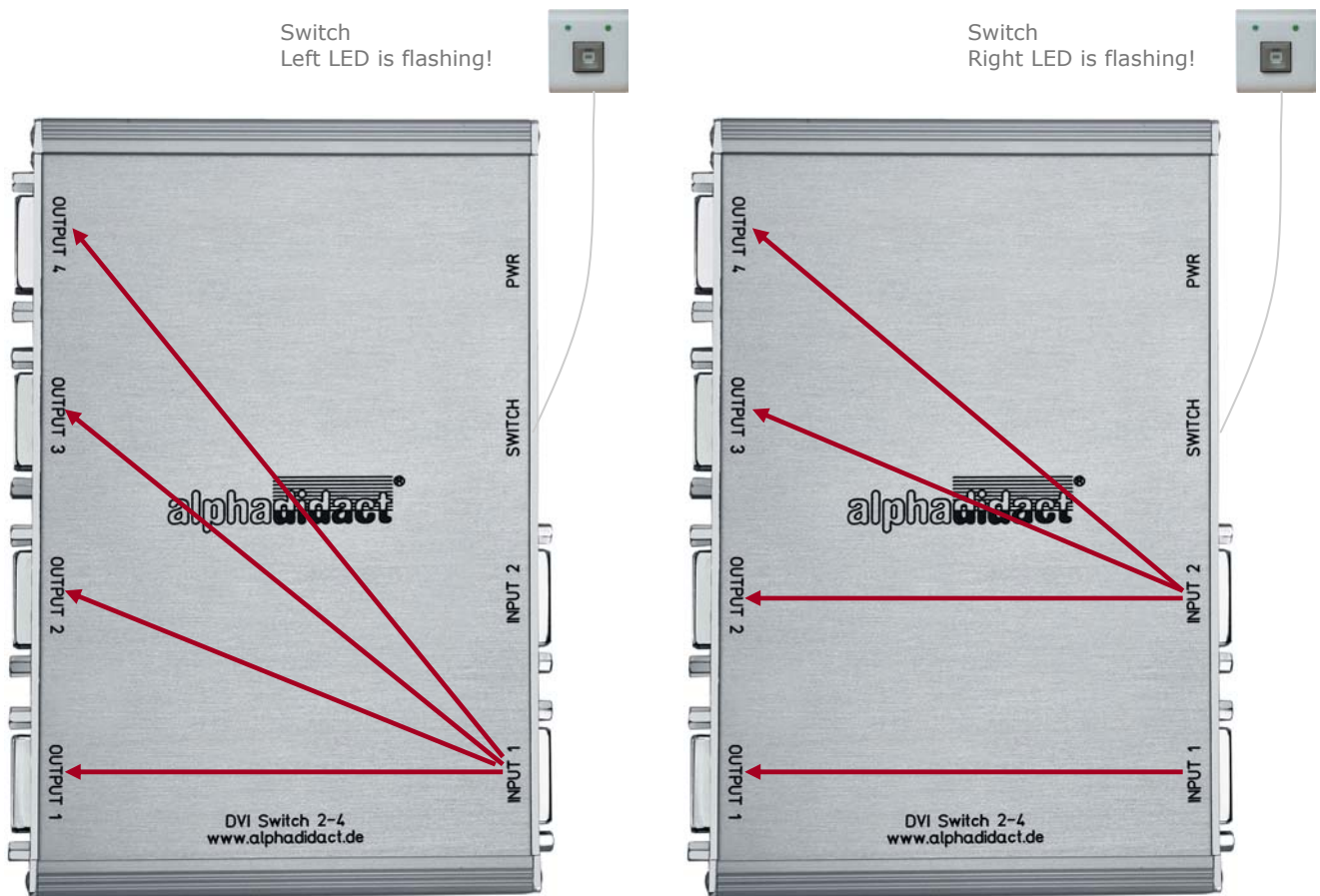


## alphadidact® DVI-Switch 2-4 Mode DM24\_C

Functions and installation of the alphadidact® DVI-Switch 2-4 (Mode DM24\_C)

When transmission via INPUT 1 monitor must be connected with OUTPUT 2!

When transmission via INPUT 2 monitor must be connected with OUTPUT 3!



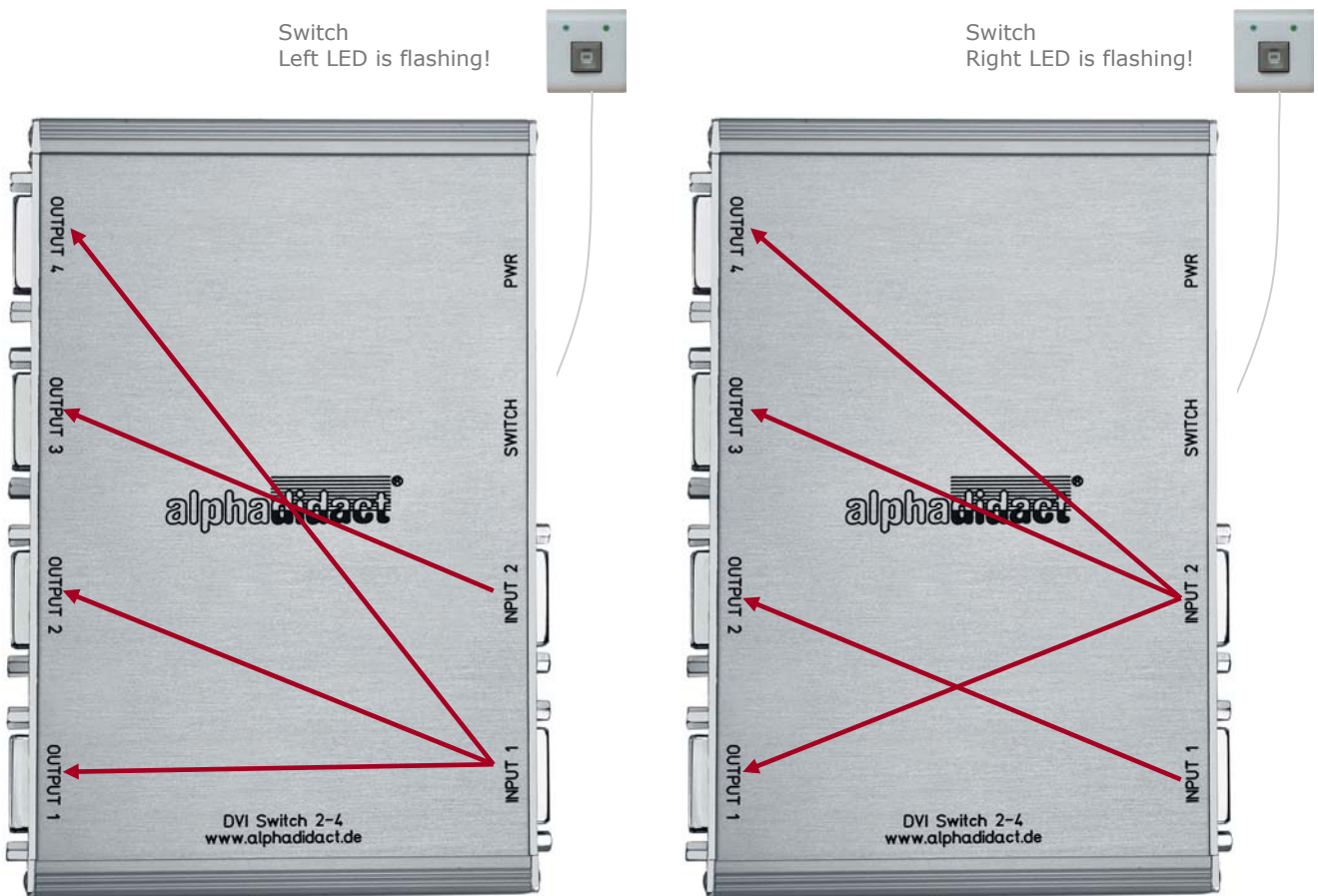


## alphadidact® DVI-Switch 2-4 Mode DM24\_D

### Functions and installation of the alphadidact® DVI-Switch 2-4 (Mode DM24\_D)

When transmission via INPUT 1 monitor must be connected with OUTPUT 2!

When transmission via INPUT 2 monitor must be connected with OUTPUT 3!



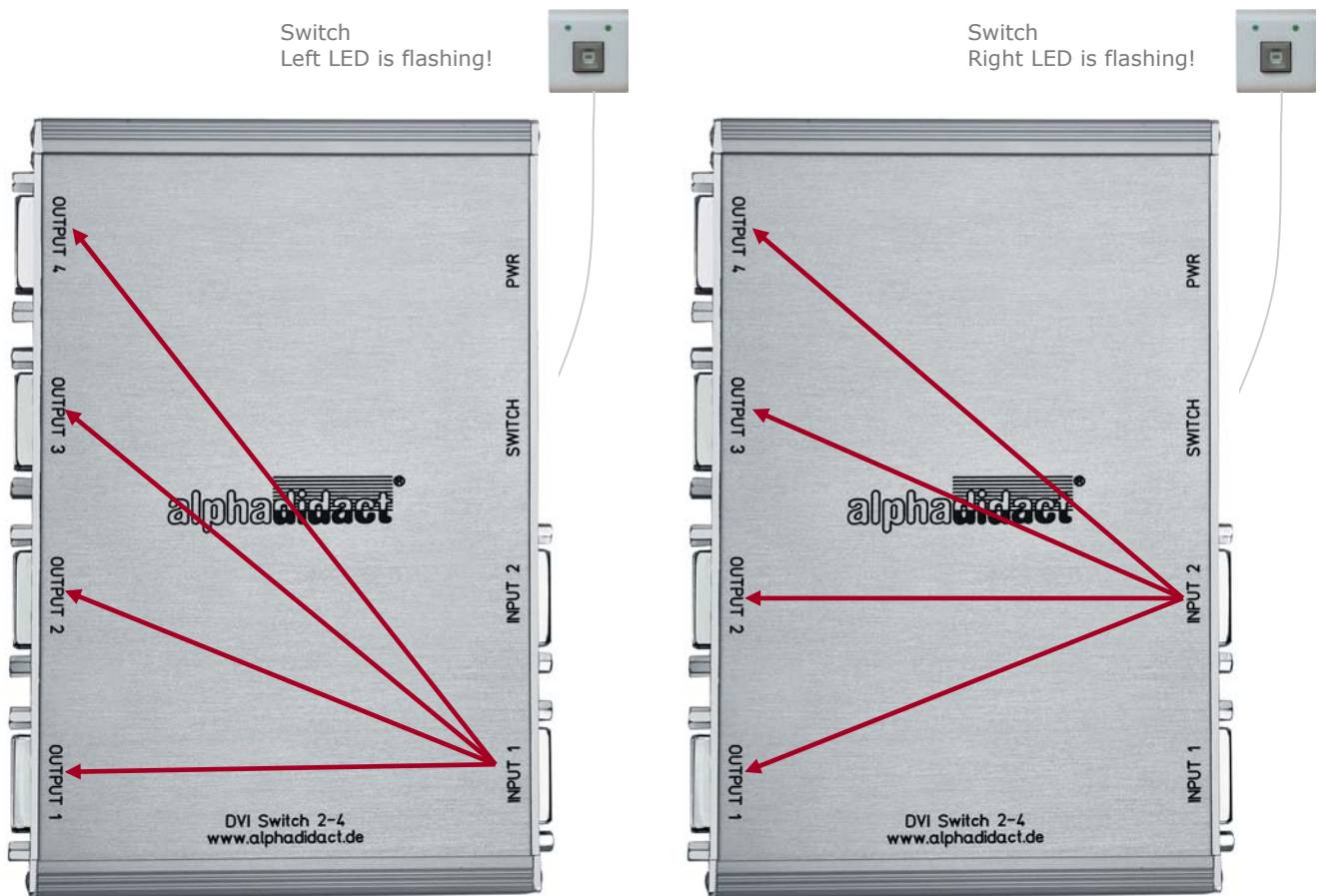


## alphadidact® DVI-Switch 2-4 Mode (DM24\_E)

Functions and installation of the alphadidact® DVI-Switch 2-4 (Mode DM24\_E)

When transmission via INPUT 1 monitor must be connected with OUTPUT 2!

When transmission via INPUT 2 monitor must be connected with OUTPUT 3!





## alphadidact® DVI-Switch 2-4 Mode DM24\_F

Functions and installation of the alphadidact® DVI-Switch 2-4 (Mode DM24\_F)

When transmission via INPUT 1 monitor must be connected with OUTPUT 2!

When transmission via INPUT 2 monitor must be connected with OUTPUT 3!

