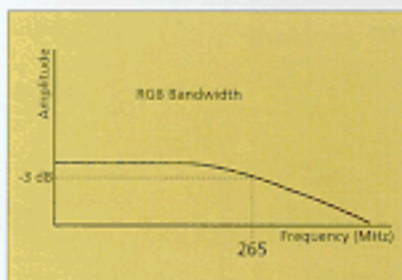


MAGIK INTERFACE

Multifunctional Analog Graphics Interface Kit

BARCO's MAGIK interface is a high-bandwidth, 'Plug & Play' interface, which allows the user to connect virtually all desktop and portable computers to a presentation device such as a projector or a large screen monitor, with or without maintaining the connection with the computer's own display. The MAGIK interface buffers and amplifies any RGB analog signal with TTL or analog sync without signal loss or image degradation.



High bandwidth, high picture quality

The MAGIK interface is compatible with all current graphics cards with a resolution up to 2,500 by 2,000 pixels.

- RGB bandwidth of 265 MHz [-3 dB] for both projector and monitor output
- Active loop-through amplifiers eliminate reflections due to long monitor cables
- An adjustable cable equaliser compensates the high-frequency loss from long cables
- The output level of the signal to the projector is adjustable for each colour

'Plug and Play' interface

Many of the adjustments of the interface are aligned automatically, which avoids confusion and misalignment by non-skilled users.

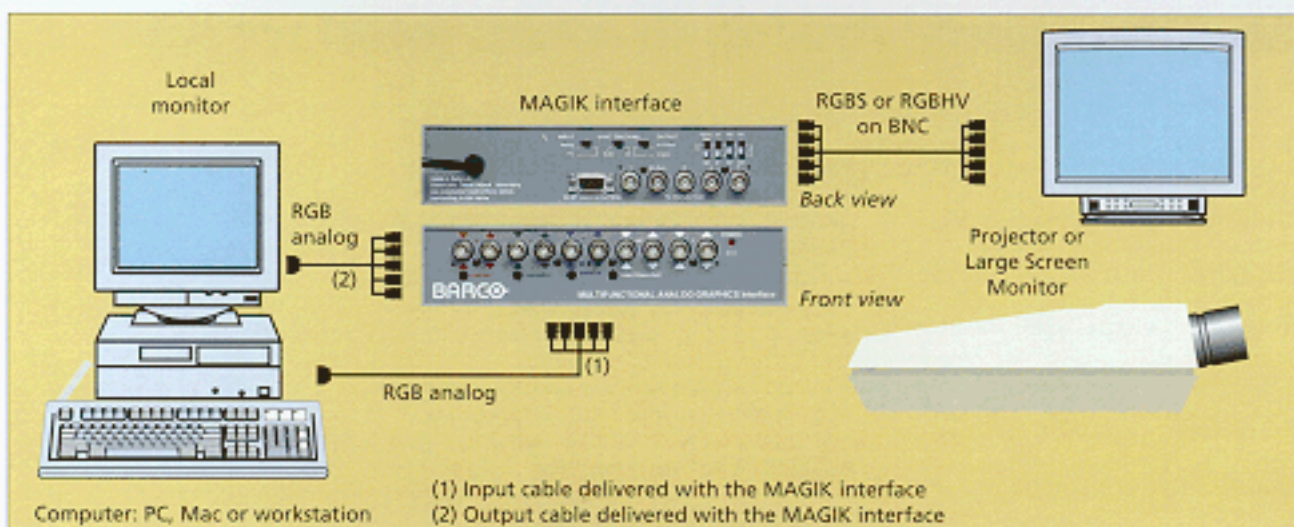
- Automatic detection of the sync polarity, Composite or H+V sync, Sync on green or separate Sync
- Automatic 75 Ohm termination

Complete interface kit

The MAGIK interface is also available as a complete kit packaged in a rugged carrying case. It includes all necessary cables for the connection of virtually all computers, including PCs, Macintosh, Sun, HP, DEC, IBM, Silicon Graphics or most other workstations.



Technical specifications



Inputs

- R, G, B input: 0.4 - 2.5 Vpp / Adjustment gain for 0.7 Vpp output on 75 Ω load (with notch for unity gain)
 - Hor. sync and vert. sync input: TTL level on 20 k Ω load or Analog 0.3 to 5 Vpp
- The D9f connector provides the ID-bits for the recognition of the graphical mode. When no monitor is connected, the mode can be set through ID bits on the interface. Settings for the ID bits are indicated on the interface.

Adjustments

- Sync tracking: OFF or auto tracking (Hsync = 1/13 of line time; Vsync = 3 to 4 lines)
- Input sync selection: TTL (buffered looped through) or analog (wired looped through)
- Output sync selection: Composite or H/V sync
- Cable compensation

Bandwidth

To projector: 265 MHz @ 0.7 Vpp in /0.7 Vpp out
To monitor: 270 MHz @ 0.7 Vpp in /0.7 Vpp out
Rise/fall time: 1.4 ns typical

Safety regulations

The MAGIK interface complies with UL 1950 and EN60950.

Electromagnetic interference

The MAGIK interface complies with FCC part 15 Class B (120 V version) and CE EN55022 Class B (230 V version)

Mains

Built-in power supply, internally switchable between 230 V and 120 V.

Nominal power consumption

12 Watts

Order information

Complete MAGIK interface kit with case
230 V: R9828120
120 V: R9828129

Included cables	length	communication
D15 to 5xBNC+D9f	0.6 m	from Mac
5xBNC+D9f to D15	0.3 m	to monitor
DD15 to 5xBNC+D9f	0.6 m	from PC
5xBNC+D9f to DD15	0.3 m	to monitor
13W3+5xBNC+D9f	0.6 m	from SUN
5xBNC+D9f to 13W3	0.3 m	to monitor
5xBNC to 5xBNC	0.6 m	from workstation
5xBNC to 5xBNC	5 m	to projector

MAGIK interface (only)

230 V: R9828121
120 V: R9828128

Separate cables:

Cable input/output 13W3 R9828230
Cable input/output Mac R9828240
Cable input/output VGA R9828250
Cable 5xBNC/BNC 0.6 m R9828260
Cable 5xBNC/BNC 1.5 m R9828261
Cable 5xBNC/BNC 5 m R9828262
Cable 5xBNC/BNC 15 m R9828263

Dimensions	mm		inch	
	mm	inch	mm	inch
Case	Width	480	18.90	
	Depth	380	14.96	
	Height	180	7.09	
MAGIK	Width	246	9.69	
	Depth	119	4.69	
	Height	57	2.24	

Weight	kg		lbs	
	kg	lbs	kg	lbs
Shipping Case	5.64	12.43		
MAGIK interface	2.60	5.73		
Cables	1.36	3.00		
	1.68	3.70		

BARCO Projection Systems is an ISO 9001 registered company.

The information and data given are typical for the equipment described. However any individual item is subject to change without any notice.

