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Control Interface

_____

Project name/ number: _____

Room name/ number: _____

Cyviz Solution Architect:_____
e-mail:_____
phone:_____
cell:_____

F30 Projectors (xed.F30)

Connection type: DSub9
Communication standard: RS-232
Communication settings:
- Bits pr second: 38400
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow Control: None

Command	Function description
all,execute poweron	Start power up cycle for all projectors.
all,execute poweroff	Start power off cycle for all projectors.
all,execute picturemute	Mute picture (black), all projectors.
all,execute pictureunmute	Removes picture muting for all projectors.
all,execute setDVI	Selects DVI input on all projectors.
all,execute setVGA1	Selects VGA1 input on all projectors.
all,execute setVGA2	Selects VGA2 input on all projectors.
all,execute stereo	Selects stereo mode (stereo solutions only)
all,execute mono	Selects mono mode (stereo solutions only)

Recommendation:
It is recommended that the command "all,execute setDVI" is issued after the "all, execute poweron" command.

xpo.3

Connection type: DSub9
Communication standard: RS-232
Communication settings:
- Bits pr second: 38400
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow Control: None

Command	Function description
all,execute startup	Setup system. **Run this mode during system power up.**
all,execute mode1	Default startup mode. Single desktop only.
all,execute mode2	To be determined.
all,execute mode3	To be determined.
all,execute mode4	To be determined.
all,execute mode5	To be determined.
all,execute mode6	To be determined.

Recommendation:
It is highly recommended that command "all,execute startup" is issued during system startup to ensure proper system setup.

CY-725DS / VP-725DS Presentation switcher/scaler

Connection type: DSub9 (Null modem)
Communication standard: RS-232
Communication settings:

- Bits per second: 9600
- Data bits: 8
- Parity: None
- Stop bits: 1
- Flow Control: None

The 725DS allow the control system to issue settings and query current settings, also known as SET and GET commands. Following the issue of a SET or GET commando, the unit will reply as follows:

Set Command: Y Control_Type Function Param CR

      Reply: Z Control_Type Function Param CRDoneCR

Get Command: Y Control_Type Function Param CR
      Reply : Z Control_Type Function Param CR

, where   : ASCII code 0x20
      CR: ASCII code 0xD or 0xA

Example:
1. "Y 1 0 32 CR" -> set Contrast value as 32

   "Z 1 0 32 CR"

   "DoneCR" --> command setting success

2. "Y 10 5 CR" -> get current output resolution

   "Z 10 5 2 CR" -> current resolution is 1024x768

Control type	Function	Parameter (for set)	Function Description	
3: Set 4: Get	1	0 or 3	Select	0: Video Group 3: Scaler
3: Set 4: Get	29	0 – 2	Select Output mode user defined parameter group	0: Group1 1: Group2 2: Group3
9: Set 10: Get	0	0 – 1	Power	0: Power Down 1: Power On

9: Set 10: Get	5	0 – 26	Output resolution	0: 640x480 1: 800x600 2: 1024x768 3: 1280x1024 4: 1600x1200 5: Not sup. 6: 1024x1024i 7: Not sup. 8: Not sup. 9: 1280x720 10: 720x483 11: 852x480 12: 1400x1050 13: 480P 14: 720P 15: 1080i 16: 576P 17: 720x400 18: 832x624 19: 1024x800 20: 1152x864 21: 1152x870 22: 1152x900 23: 1280x960 24: 1280x768 25: 1024x576 26: User Defined
9: Set 10: Get	6	0 – 8	Output refresh rate	0: 60Hz 1: 75Hz 2: 85Hz 3: 70Hz 4: 84Hz 5: 66Hz 6: 76Hz 7: 50Hz 8: 72Hz
9: Set 10: Get	7	0 – 17	Master Source	0: VGA1 1:VGA2 2: VGA3 3:VGA4 4: DVI1 5:DVI2 6: COMP1 7:COMP2 8: COMP3 9:COMP4 10: YC1 11:YC2 12: YC3 13:YC4 14: AV1 15:AV2 16: AV3 17:AV4
0	33	N/A	Auto Image	
0	34	N/A	Auto Gain	

Recommendation:
It is recommended that the "Auto Image" and "Auto Gain" command is issued when Master source is changed, or the output resolution, or the output refresh rate. Note that this is not necessary if the Master source is set to DVI1 or DVI2.

User Groups:
Disregard this section if you are not using custom output resolution.

The 725DS allows the user to program three custom output resolutions. These custom output resolutions will normally be programmed by Cyviz personnel during installation. Cyviz can provide an application for programming the custom output resolutions when the installation is preformed by other personnel.

In order to setup the unit to output the correct custom output resolution, the group must be chosen before the output resolution.
Example:
"Y 3 29 0 CR" -> set Select Output mode user defined parameter group to "Group1"
"Y 9 5 26 CR" -> set Output resolution to "User Defined"