Luxi THB-350 switcher Tx RS-232 commands

Function	Command to THB-350	Response from THB-350	Response from RHB-350	Notes	Factory default	
Product information commands						
Query device part number	p	74-040-01¶		Numeric and dash only		
MCU firmware version	1P	x.xx¶		Numeric only		
Scaler firmware version	2P	x.xx¶		Numeric only		
Splitter firmware version	3P	x.xx¶		Numeric only		
HDBT firmware version	4P	x.xx¶		Numeric only		
Reset command						
Reset to factory defaults	r	Reset				
Input selection commands						
Select local input x	xs	Input x live¶		x has 3 possible values, 1 thru 3	2s (HDMI input)	
Set auto switch on	0s	Auto sw on¶		Will release by new input selection		
Query local input status	s	Input x live¶ Auto sw on (or off)¶ Input x signal present¶ Input x signal present¶		Send all 3 groups of status to "s" command, only one group of status to the one just changed		
Defeat front panel input selection	0A	Front panel sw off¶ Auto sw off¶		When front panel switch pressed, the LED fast blinking twice		Press and hold front panel switch for more than 5 seconds will toggle the auto sw on or off; LED fast blinking 3 or 2 times respectively
Allow front panel input selection	1A	Front panel sw on¶ Auto sw off¶				
Allow auto switching and defeat front panel input selection	2A	Front panel sw off¶ Auto sw on¶		When front panel switch pressed, the LED fast blinking 3 times	2A (auto sw on, front panel sw off)	
Query front panel switch status	A	Front panel sw off (or on)¶ Auto sw on (or off)¶				
Scaler commands						
Initiate auto image	a	Auto image on¶				
Set output format to pixel to pixel	0o	Output format pixel to pixel¶		Only supports 7 preset resolutions: 720p, 1080p, 1280x800, 1920x1200, 1024x768, 1280x1024, 1600x1200		
Set output format to 720p	1o	Output format 720p¶				
Set output format to 1080p	2o	Output format 1080p¶			2o (output 1080p)	
Set output format to 1280x800	3o	Output format 1280x800¶				
Set output format to 1920x1200	4o	Output format 1920x1200¶				
Set output format to 1024x768	5o	Output format 1024x768¶				
Set output format to 1280x1024	6o	Output format 1280x1024¶				
Set output format to 1600x1200	7o	Output format 1600x1200¶				
Query output format	o	(One of the responses from cell C30 to C37)				
Set zoom level on	xz	Zoom level x¶		x has 6 possible values, 1 thru 6	1z (zoom level 1)	
Query zoom level	z	Zoom level x¶				
Video output commands						
Video mute	0m	Video mute on¶		Kill all video		
Video off OSD off when no input	1m	Video off OSD off when no input¶		This would enable monitor sleep mode		
OSD on when no input	2m	OSD on when no input¶		This would enable screen saver	2m (OSD on when no input)	
Query video output mode	m	(One of the responses from cell C43 to C45)				
Audio commands						
Audio mute on	0M	Audio mute on¶		Both analog and HDMI audio muted		
Digital audio pass thru	1M	Digital audio pass thru¶		HDMI/DP audio pass thru; HDMI/DP audio de-embedded to analog output		
Audio mixing and embedding	2M	Audio mixing and embedding¶		3.5 mm audio mixed with HDMI/DP audio to both analog and HDMI outputs	2M (3.5 mm audio mixed with HDMI/DP audio	
3.5 mm audio with VGA only	3M	3.5 mm audio with VGA only¶		3.5 mm audio is only active when VGA input selected		
3.5 mm audio only	4M	3.5 mm audio only¶		3.5 mm audio is always active; all other audio muted in all inputs		
Query audio mode	M	(One of the responses from cell C49 to C53)				
Display power control commands						
Store display power on command xxx	2{xxx}R	Display power on command stored¶				
Erase display power on command	2{}R	Display power on command erased¶				
Query display power on command	2R	Display power on command is xxx¶				
Store display power off command yyy	1{yyy}R	Display power off command stored¶				
Erase display power off command	1{}R	Display power off command erased¶				
Query display power off command	1R	Display power off command is yyy¶				
Enable display power control and set power off delay to z minutes	1*zR	Display power control enabled¶ Display power off delay y minutes¶		z can be any number between 1 to 60		
Disable display power control	0R	Display power control disabled¶			0R (display power control disabled)	
Query display power control status	R	Display power control enabled (or disabled)¶ Display power off delay y minutes¶		Only when the status is enabled		

		xxx	xxx	Sent out from the RS232 port after projector control is enabled initially, and when the first signal detected after "yyy" sent
		yyy	yyy	Sent out from the RS232 port after no input signal detected for "z" minutes.
THB-350 to RHB-350 pass thru commands				
The external host connected to THB-350 sending command "zzz" to the external device connected to RHB-350	*{zzz}Q*		zzz	
The external device connected to RHB-350 sending the response "rrr" back to the external host connected to THB-350		rrr		
Scaler firmware update	*2u*	Check monitor's OSD for status¶		Authorized engineers only

RS-232 baud rate/protocol   **9600 baud, 8 data bits, 1 stop bit, no parity**
RS-232 port pin configurations   **1 = Tx, 2 = Rx, 3 = GND**

Note: The italic and underlined letters represent decimal numeric numbers   Not all firmware revisions have all the functions
      ¶ is CR/LF (carriage return/line feed) (HEX value 0D 0A)   Copyright C 2017 Luxi Electronics Corp