



ReThink

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RAV-EX-H40-Rx

RS-232 Control Commands

RAV-EX-H40-Rx 5K HDMI and USB 3.2 Receiver 40m

Osiris family of extenders



RS-232 Connection

Baud rate: 115,200 (Fixed)

Data bits: 8

Stop bits: 1

Parity: None

Flow control: None

RS-232 Commands

ASCII Commands				
Command	Function	Example	Feedback	Default
?	Get the list of all commands	?		
help	Get the list of all commands	help		
get version	Get all firmware version	get version	RX BOOT: V1.1.1 RX FW: V1.00.01 TX FW: V1.00.01 SUB MCU: V1.0.1	
reboot	Reboot the device	reboot	Reboot... System Initializing... Initialization Finished! TX FW v1.0.0 RX FW v1.0.0	
reset	Reset to factory defaults	reset	Sure to RESET to default settings? Type "Yes" after next prompt to confirm...	
status	Get system status	status	Please refer to the note at the end of the list.	

Command	Function	Example	Feedback	Default
set rx output x source y	Set RX output x (0~1) source to y (y=0~3) x=0: All Output x=1:Output 1 y=0:Off y=1:TX input y=2:AVMUTE	set rx output 1 source 1 set rx output 1 source 0	RX output 1 source from tx input 1 RX output 1 source off	1
get rx output x source	Get RX output x (x=0~1) video source	get rx output 1 source	RX output 1 source from tx input 1	
set rx output x hdcp y	Set RX output x (0~1) HDCP mode to (y=0~4) x=0: All Output x=1: Output 1 y=0:Signal Management y=1:Follow sink (default) y=2:Follow source y=3:Force HDCP 1.4 y=4:Force HDCP 2.3	set rx output 1 hdcp 1	RX output 1 HDCP follow sink	1
get rx output x hdcp	Get RX output x (x=0~1) hdcp mode x=0:All Outputs x=1:Output 1	get rx output 1 hdcp	RX output HDCP follow sink	
get rx output x connected	Get RX output x (x=0~1) cable connected status x=0:All Outputs x=1:Output 1	get rx output 1 connected	RX output 1 connected RX output 1 disconnected	
get rx output x signal	Get RX output x (x=0~1) signal status x=0:All Outputs x=1:Output 1	get rx output 1 signal	RX output 3840x2160p60Hz YUV 4:4:4 8bit RX output no signal	
set rx hdmi out x power y	Set RX HDMI output x (x=0~1) 5V power to y (y=0~2) x=0:All Outputs x=1:HDMI Output 1 y=0:Follow input y=1:Force HDMI out 5V power on y=2:Force HDMI out 5V power off	set rx hdmi out 1 power 1	HDMI out 1 power force 5v always output	0

Command	Function	Example	Feedback	Default
get rx hdmi out x power	Get HDMI output x (x=0~1) 5V status	get rx hdmi out 1 power	HDMI out 1 power force 5v always on	
set rx usbd x power y	Set RX USB device ports x (x=0~3) power to y (y=0~2) x=0:RX all USB device ports x=1:RX USB device 1 x=2:RX USB device 2 x=3:RX USB device 3 y=0:Follow USB host power y=1:Force power on y=2:Force power off	set rx usbd 0 power 1	RX all USB device ports power follow USB host power	0
get rx usbd x power	Get RX USB device ports x (x=0~3) power status x=0:RX all USB device ports x=1:RX USB device 1 x=2:RX USB device 2 x=3:RX USB device 3	get rx usbd 0 power	RX all USB device ports power follow USB host power	
set hdbt update	Set SERVICE port to HDBT UART for FW update	set hdbt update	HDBT update...	

Note: The feedback of the command of "status" is as follow.

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Status Info 5K HDMI and USB 3.2 Extender over CAT
RX FW v1.0.0

RX	Cable	Signal	HDCP	Source
Output	Connected	3840x2160p60Hz YUV 4:4:4 8bit	HDCP 2.3	TX_Input

RX_USB USB_Power

RX_01 Follow_host
RX_02 Follow_host
RX_03 Follow_host

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