H802RA Manual

Connect H802RA to computer with crossover network cable and power on H802RA.



Network and Internet Setting



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	File and Printer S	iharing for Microsoft Networks	
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Click "OK".

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Click "close".





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For H802RA, Hardware interface must be "Network&WIFI", if it's not, choose "Network&WIFI", click "Apply"-- "OK", then restart software.

Screen Off Play window OffX: 0 OffY: • OffY: • Hardware interface Start Y: • Network&WIFI □ • H803TV-DVI □ Play speed: 30 Acceleration: Low
Hardware interface Start when windows starts up Image: Network&WIFI Load file when starting Image: H803TV-DVI Play document when starts up Image: Play speed: 30 Image: Acceleration: Low Image: Stretch the play window by sculpt size
Play speed: 30 Clear LED screen when pause Exit does not turn off LED display Acceleration: Stretch the play window by sculpt si
Video output: Default 🗸 🗸

Then click "setting"-- "setting sculpt", click "OK" to enter sculpt setting window.



assword	
Password:	



Click "File"-- "New" to create a new sculpt. (The following configuration is just for example, please enter the correct value according to actual project).

Size		Sculpt
Width:	50	Plane
Height:	32	○ Sphere

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Module:	Single	e pixel	~							
LineLimit	Pixels:	100	~							

For H802RA, choose "one line with a slave"(use only 1 port of each H802RA) or "four line with a slave"(use 4 ports of each H802RA).

Module: Single pixel.

Line Limit Pixels: to limit number of pixels connected to each port.

Then rectangular select the mapping from left top corner to right bottom corner.

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Pixels are added to the sculpt(notice the left):











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Choose IC Type (many chips share the same option), Light Type, and Clock Rate, etc. After all set up, click "apply"-- "OK".

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Click "Setting"-- "Multi-Net Setting"

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Distribute controllers for the specified IP address, then click "OK":

IP	SlaveNO.	SlaveN	
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92.168.6.255	1-4	4	
MoveUp	MoveDown	efresh	

Click "File"-- "Save" to save the scu file, then click "Return" to back to main window.



Save As				×
Save in: 🤮 文档	~ 0) 🤣 📂 🛄 🕶		
名称		修改日期	类型	^
Bluetooth Folder		2015/8/13 16:09	文件夹	
clear.fi		2015/8/10 15:52	文件夹	
Corel		2015/8/15 14:55	文件夹	
DSeeTem		2015/9/17 22:38	文件夹	
Fax		2015/8/28 13:31	文件夹	
MADRIX3		2015/8/17 15:00	文件夹	
MyCAD		2015/9/17 22:38	文件夹	
Tencent Files		2015/9/24 16:51	文件夹	
XY		2015/9/24 17:07	文件夹	
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Click "Setting"-- "System Setting"

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Software Setting	Bright/Color Setting
Screen Off OffX: 0 OffY: 0	Play window StartX: 0 Width: 500 ↓ StartY: 0 Height: 500
Hardware interface Network&WIFI H803TV-DVI	 Start when windows starts up Load file when starting Play document when starts up
Play speed: 30 Acceleration: Low	Clear LED screen when pause Clear LED screen when pause Exit does not turn off LED display Stretch the play window by sculpt size Video output: Default

We can set the StartX, StartY of play window to 0,0. The Width and Height is the same or bigger than the size of sculpt. Here we set them to 50, 32. Then click "Apply"-- "OK".

Software Setting Bri	ght/Color Setting
Screen Off OffX: 0 + OffY: 0 +	Play window StartX: 0 Width: 50 StartY: 0 Height: 32
Hardware interface Network&WIFI H803TV-DVI	 Start when windows starts up Load file when starting Play document when starts up
Play speed: 30 Acceleration: Low ~	Clear LED screen when pause Exit does not turn off LED display Stretch the play window by sculpt size
	Video output: Default 🗸 🗸

You can click "show or hide screen" to show or hide the play window.





Click "New window"-- "Design window" to create a new design window.

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Then click "Config" to configure colors.

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	Ok Cancel
Back: Co Transition mode Transition grade: Transitional colors: Color Total: 768	2 • 32 •
Clear Delete Color pad lib:	Save Remove

Normally, i clear the color in color plate, set transition grade to 5, and choose the second color in color pad library for test. Then click "OK" to exit.(The bigger transition grade is, the less color has in color plate. The bigger transition color is, the more color has in color plate)

Ok	Ok Cancel	Ok Cancel	Can el
Back: Color: Col	Back: Color: Color: Transition mode Transition grade: 2 Transitional colors: 1 Color Trats: 0	Back: Color: Color:	Back: Color: Color: Transition mode Transition grade: 5 • Transitional colors: 32 • Color Tetal: 156
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You can choose among many actions and modes. Here, i choose "Moving" and "Right".

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Then click " " to play the program.

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	ToyBricksHei:	2	ReboundHei:	0		
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You can click "setting" -- "play window setting" -- "Top display", play window will display on the top layer of the screen.

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Both green and red light of H802RA are blinking.



Connection Diagram





GND CLK DAT D- D+

For double-line chips(LPD6803), connect GND, CLK, DAT

For single-line chips(WS2812), connect GND, DAT

For DMX512, connect GND, D-, D+, addressing line to CLK

For TM1926, TM1913, TM1914, TM1814, connect GND, D+

Madrix Configuration

(1). Connect H802RA to computer, distribute an IP address for it.

(2). Open LED Studio. Click "Setting" -- "H802RA setting", choose "Art-Net Number of controllers" and enter a number, for example 3, then click "OK".

(3). Open Madrix, press "F4", pops up "Device Manager" window, choose the "Art-Net" label, click "Find Auto" to find Art-Net device, check the "Enable" option, then click "Apply".

🔰 Device Manager					×
DMX Devices DVI Devices	DMX Input	Art-Net MIDI	Audio Input Visualizer		
Device Name	Count / Net	Universe	IP Address / MAC Address	Ene	ble
ArtNet Remote	1	1	192.168.1.111 / 18:CF:5E:7B:76:9B (Receive Only From 192.168.1.111)	Syng	
H802RA	4	9,10,11,12	192.168.6.19 / 48:43:58:53:18:5D (Send Only To 192.168.6.19)	-	
H802RA	4	5, 6, 7, 8	192.168.6.19 / 48:43:58:53:18:5D (Send Only To 192.168.6.19)		
H802RA	4	1, 2, 3, 4	192.168.6.19 / 48:43:58:53:18:5D (Send Only To 192.168.6.19)		
			HTTP Hostname: kevin.pp Count:		
	area ar	V V	HTTP HOSthanie: kevin-pc	+	
			OK Apply Canc	el	lelp

Click "DMX Devices" label, choose all universes of H802RA, check the "Enable" option on the right side and click "Apply" to enable DMX output.

ate	Device Name	Universe	OUT / IN	ms / FPS	Frames	Device
On	ArtNet Remote (MADRIX) Port:0		IN	30/33.3		H802RA (192.168.6.19) Bindldx1
On	H802RA (192.168.6.19) Bindldx1 Port:0	5	OUT	30/33.3	Optimized	Polto
On	H802RA (192.168.6.19) Bindldx1 Port:1	6	OUT	30/33.3	Optimized	H802RA IP: 192.168.6.19. Bindldy: 1. Uni: OU
On	H802RA (192.168.6.19) Bindldx1 Port:2	7	OUT	30/33.3	Optimized	5
On	H802RA (192.168.6.19) Bindldx1 Port:3	8	OUT	30/33.3	Optimized	Truss-Link OP Artistic Licence
On	H802RA (192.168.6.19) Bindldx2 Port:0	9	OUT	30/33.3	Optimized	
On	H802RA (192.168.6.19) Bindldx2 Port:1	10	OUT	30/33.3	Optimized	Settings
On	H802RA (192.168.6.19) Bindldx2 Port:2	11	OUT	30/33.3	Optimized	Enable Output
On	H802RA (192.168.6.19) Bindldx2 Port:3	12	OUT	30/33.3	Optimized	Input
On	H802RA (192.168.6.19) Port:0	1	OUT	30/33.3	Optimized	Universe : 5 ∓
On	H802RA (192.168.6.19) Port:1	2	OUT	30/33.3	Optimized	
On	H802RA (192.168.6.19) Port: 2	3	OUT	30/33.3	Optimized	Eromo Timo (mo) : 20
On	H802RA (192.168.6.19) Port:3	4	OUT	30/33.3	Optimized	
						FPS: 33.3
			_			Send Full Frames : 🔳