Specification

GC-6612Pro v1.1



GC-6612Pro is a 12-port SD card offline controller. With 12 groups of output ports, can support DMX512, SPI type lamps, such as: TM1812, WS2811, UCS2903, UCS9812, SM17512 and other IC widely used in the industry. GC-6612Pro uses FPGA as the core processor, and realizes high load, high frame rate, high gray scale and high synchronization control with the super parallel data computing capability of FPGA. The realization of a single station carrying 12K pixel point is very conducive to the construction of the engineering site wiring.

GC-6612Pro has an Ethernet interface, supports ART-NET, GC-NET standards,Users can connect to the controller via Ethernet and preview online. In ART-NET mode,support 72 DMX512 universes.

GC-6612 has external DMX512 trigger function, can access control console and KTV intelligent lighting control box, very suitable for bar, KTV room lighting control, accept the command call program, adjust speed, brightness, special effects, support up to 13 channels OF DMX512 instruction.

GC-6612 supports the multi-function editing software "ShadowDraw" independently developed by GICO Technology, Polar Color technology provides software tools that allow users to simply record MADRIX effect files for offline playback. Gc-6612 has been widely used in KTV, bars, office buildings, hotels, shop signs and other LED lighting projects.

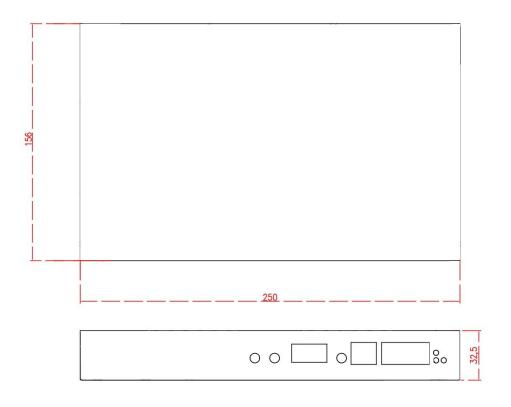
Function Features:

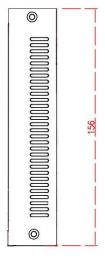
- FPGA as the core processor, to achieve high load, high speed, high gray, high synchronization control.
- Offline SD card controller, plug and play.
- OLED display screen, display parameters and address code, quick button setting address code and parameters.
- Support 12 port output, each port support 1024 pixels, single support 12K pixels.
- Can support a variety of lighting driver IC: DMX512, UCS series, TM series, LX series, GW series, TLS series, MY series and so on.
- The output interface is compatible with RS485 signal and SPI (TTL) signal.
- Support RGBW four-color control and a variety of special control, RGBW can choose energy-saving mode and brightening mode.
- Up to 65536 gray level control, built-in user defined gamma correction curve.
- Support SD cards of various capacities, such as 128M-32GB, and supports a maximum of 64 scenario files.
- Can be triggered by external DMX512 console for extended use.
- Support MIX、Grouping by external DMX512 console。
- Support MADRIX online Preview, can record ARTNET scene files
- Support LEDview online Preview, can Generate SD scene file

Product Parameter

Working Voltage: AC 90-240V Power Consumption: 3W Input trigger interface: RJ45 (DMX512) Ethernet interface: RJ45 (10M/100M) Output port: 12 ports Control Qty/Port:1024 pixels Output Signal: DMX512/SPI(TTL) Working Temperature: -20°C ~ 65°C Dimension:: L250×W175×H35 mm Weight (G.W):1.3 Kg

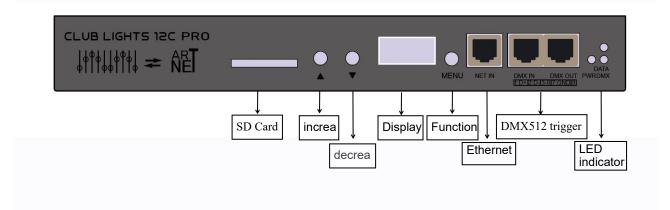
Dimensions



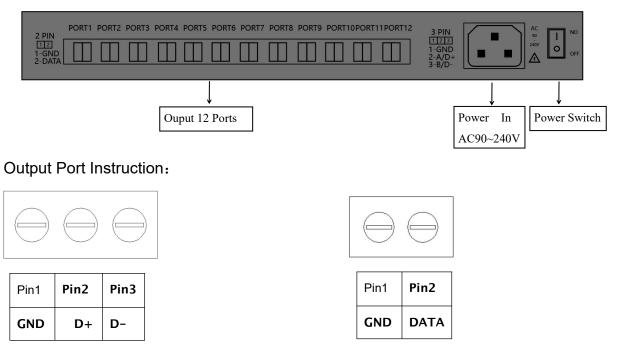


Configuration Diagram:

Front:

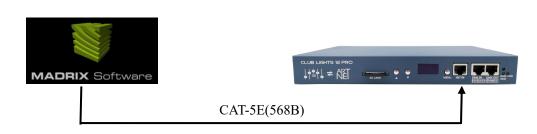


Back:



Application diagram :

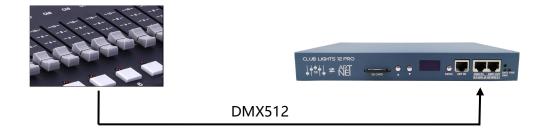
Application 1: MADRIX directly connect 6612 Pro online ARTNET preview debugging



- Standard Ethernet cable CAT5E- 568B. 100M Ethernet
- The CONTROLLER IP address is fixed at 192.168.1.10
- Output 12 ports, 6 universes/Port, one universe is 170 pixels.
- Connect MADRIX, search the device can be used.
- After connecting MADRIX debugging preview, we can use the recording tool to record ARTNET data package and generate offline copy card file.

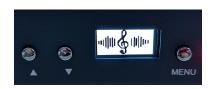
COurtshadow 4 5.6.7.8 1 12:168.110 * / F100D7200F344 / Bindlad2 (Q 2 3 192.168.110, Q. COartshadow 4 9.10.11, 12 192.168.110 * / F100D7200F344 / Bindlad2 (Q 2 3 192.168.110, Q. COartshadow 4 9.10.11, 12 192.168.110 * / F100D7200F344 / Bindlad2 (Q 2 3 192.168.110, Q. COartshadow 4 13.16, 15.10 - 192.168.110 * / F100D7200F344 / Bindlad2 (Q 2 3 192.168.110, Q. COartshadow 4 17.18, 19.20 192.168.110 * / F100D7200F344 / Bindlad2 (Q 2 3 192.168.110, Q. COartshadow 4 23.2, 27.28 192.168.110 * / F100D7200F344 / Bindlad2 (Q 2 3 192.168.110, Q. COartshadow 4 23.3, 33.30 192.168.110 * / F100D7200F344 / Bindlad2 (Q 2 3 192.168.110, Q. COartshadow 4 37.38, 39.40 192.168.110 * / F100D7200F344 / Bindlad1 (Q 2 3 2 3 192.168.110,) COartshadow 4 4 37.38, 39.40 192.168.110 * / F100D7200F344 / Bindlad1 (Q 2 3 2 3 192.168.110,) COartshadow 4 4 40.30, 31.52 192.168.110 * / F100D720D720F344 / Bindlad1 (Q 2 3 3 192.168.110,) COartshadow 4 4 33.34, 55.56 192.168.110 * / F100D720D720F344 / Bindlad1 (Q 2 3 3 192.168.110,) COart		计数/网络	空间输出	空间输入	IP 地址/MAC 地址	自用 自用
SIGO-artshadow 4 4 9,6,7,8 - 192.168.1,10 / / 1007/2007.247.14/81.0162.02 Cg at g 192.168.1,10, g. SIGO-artshadow 4 4 9,10,11.12 - 192.168.1,10 / / 11007/2007.247.14/81.016.22 Cg at g 192.168.1,10, g. Image: Cg at g 192.168.1,10, g.	SICO-art-shadow 4				192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx1 (仅发送到 192.168.1.10, 仅	ArtSung
IIICO-artshadow 4 4 13, 14, 15, 16 192,168, 1.10 * / F100/F200/F3/4 / Bindick4 (Gg 2019 102,168, 1.10, G., GG 200 artshadow 4 4 17, 18, 10, 20 192,2168, 1.10 * / F100/F200/F3/4 / Bindick4 (Gg 2019 102,168, 1.10, G., GG 200 artshadow 4 4 17, 18, 10, 20 192,2168, 1.10 * / F100/F200/F3/4 / Bindick4 (Gg 2019 102,168, 1.10, G., GG 200 artshadow 4 4 27, 22, 24 192,2168, 1.10 * / F100/F200/F3/4 / Bindick7 (Gg 2019 102,168, 1.10, G., GG 200 artshadow 4 4 25, 26, 27, 28 192,168, 1.10 * / F100/F200/F3/4 / Bindick7 (Gg 2019 102,168, 1.10, G., GG 200 artshadow 4 4 23, 33, 35 192,168, 1.10 * / F100/F200/F3/4 / Bindick7 (Gg 2019 102,168, 1.10, G., GG 200 artshadow 4 4 33, 34, 35 192,168, 1.10 * / F100/F200/F3/4 / Bindick7 (Gg 2019 102,168, 1.10, G., GG 200 artshadow 4 4 43, 34, 35, 36 192,168, 1.10 * / F100/F200/F3/4 / Bindick7 (Gg 2019 102,168, 1.10,, BICO artshadow 4 4 44, 42, 43, 44 192,168, 1.10 * / F100/F200/F3/4 / Bindick11 (Gg 2019 12,20,10,, GG 2010 artshadow 4 4 43, 34, 55, 56 192,168, 1.10 * / F100/F200/F3/4 / Bindick11 (Gg 2019 12,20,10,, GG 2010 artshadow 4 4 43, 54, 55, 56, 60 192,168, 1.10 * / F100/F200/F3/4 / Bindick11 (Gg 2019 12,20,10,, GG 2010 artshadow 4 4 57, 58, 56, 60 192,168, 1.10 * / F100/F200/F3/4 / Bindick1 (Gg 2019 12,20,10,, GG 2010 artshadow 4 4 61, 62, 62, 64 192,168, 1.10 * / F100/F2,200/F3/4 / Bindick					192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx2(仅发送到 192.168.1.10,仅	- Aresync
Alto artshadow 4 4 13, 14, 12, 16 - 192, 168, 110 / 1, 100 / 100 / 200 / 314 / 8 India 5 (\$2, 258 / 102, 168, 1.10), \$2, 100 / 100 / 200 / 314 / 8 India 5 (\$2, 258 / 102, 168, 1.10), \$2, 100 / 100 / 200 / 314 / 8 India 5 (\$2, 258 / 102, 168, 1.10), \$2, 100 / 100 / 200 / 314 / 8 India 5 (\$2, 258 / 102, 168, 1.10), \$2, 100 / 100 / 200 / 314 / 8 India 5 (\$2, 258 / 102, 168, 1.10), \$2, 100 / 100 / 200 / 314 / 8 India 5 (\$2, 258 / 102, 168, 1.10), \$2, 100 / 100 / 200 / 314 / 8 India 5 (\$2, 258 / 102, 168, 1.10), \$2, 100 / 100 / 200 / 314 / 8 India 5 (\$2, 258 / 102, 168, 1.10), \$2, 100 / 110 / 110 / 110 / 110 / 100 / 200 / 314 / 8 India 5 (\$2, 258 / 102, 168, 1.10), \$2, 100 / 110	SICO-art-shadow 4		9, 10, 11, 12		192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx3(仅发送到 192.168.1.10,仅	
SIGO artshadow 4 4 21, 22, 23, 24 - 192,168,1.10 * / F1d0672:00F344 / Bindlok6 (Ggggg 192,168,1.10, G, GIGO artshadow 4 4 23, 26, 27, 28 192,168,1.10 * / F1d0672:00F344 / Bindlok6 (Ggggg 192,168,1.10, G, GIGO artshadow 4 4 23, 30, 31, 20 192,168,1.10 * / F1d0672:00F344 / Bindlok7 (Ggggg 192,168,1.10, G, GIGO artshadow 4 4 33, 34, 35, 36 192,168,1.10 * / F1d0672:00F344 / Bindlok7 (Ggggg 192,168,1.10, G, GIGO artshadow 4 4 37, 38, 39, 40 192,168,1.10 * / F1d0672:00F344 / Bindlok7 (Ggggg 192,168,1.10, G, GIGO artshadow 4 4 41, 42, 41, 44 192,168,1.10 * / F1d0672:00F344 / Bindlok7 (Ggggg 192,108,1.10, GIGO artshadow 4 4 43, 56, 55 192,168,1.10 * / F1d0672:00F344 / Bindlok7 (Ggggg 192,108,1.10, GIGO artshadow 4 4 43, 56, 55 192,168,1.10 * / F1d0672:00F344 / Bindlok71 (Gggg 291,102,106,1.10, GIGO artshadow 4 4 43, 56, 55 192,168,1.10 * / F1d0672:00F344 / Bindlok71 (Ggg 291,102,106,1.10, GIGO artshadow 4 4 57, 58, 59, 60 192,168,1.10 * / F1d0672:00F344 / Bindlok71 (Ggg 291,102,104,1.10, GIGO artshadow 4 4 57, 58, 59, 60 192,168,1.10 * / F1d0672:00F344 / Bindlok71 (Ggg 291,120,18,1.10, GIGO artshadow 4 4 61, 62, 63, 64 192,168,1.10 * / F1d0672:00F344 / Bindlok71 (Ggg 291,120,18,1.10, <td></td> <td></td> <td></td> <td></td> <td>192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx4(仅发送到 192.168.1.10,仅</td> <td>ArtAddress</td>					192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx4(仅发送到 192.168.1.10,仅	ArtAddress
GICO-artshadow 4 4 25, 26, 27, 28 . 192.168.1.10 * / f1d0672:00;73:f4 / Bindlar7 (Gg.g.fg 102.168.1.10; G) GICO-artshadow 4 4 20, 30, 31, 32 . 192.168.1.10 * / f1d0672:00;73:f4 / Bindlar7 (Gg.g.fg 102.168.1.10; G) GICO-artshadow 4 4 23, 34, 35, 36 . 192.168.1.10 * / f1d072:00;73:f4 / Bindlar7 (Gg.g.fg 192.168.1.10; G) GICO-artshadow 4 4 33, 34, 35, 36 . 192.168.1.10 * / f1d072:00;53:f4 / Bindlar7 (Gg.g.fg 192.168.1.10;) GICO-artshadow 4 4 43, 24, 34, 4 . 192.168.1.10 * / f1d072:00;53:f4 / Bindlar1 (Gg.g.fg 192.168.1.10;) GICO-artshadow 4 4 43, 56, 55 . 192.168.1.10 * / f1d072:00;53:f4 / Bindlar1 (Gg.g.fg 192.168.1.10;) GICO-artshadow 4 4 45, 56, 55 . 192.168.1.10 * / f1d072:00;53:f4 / Bindlar1 (Gg.g.fg 192.168.1.10;) GICO-artshadow 4 4 57, 55, 56, 60 . 192.168.1.10 * / f1d072:00;73:f4 / Bindlar1 (Gg.g.fg 192.168.1.10;) GICO-artshadow 4 4 57, 55, 56, 60 . 192.168.1.10 * / f1d072:00;73:f4 / Bindlar1 (Gg.g.fg 192.168.1.10;) GICO-artshadow 4 4 61, 65, 76;86 . 192.168.1.10	GICO-art-shadow 4		17, 18, 19, 20		192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx5(仅发送到 192.168.1.10,仅	9
ClicO-artshadow 4 4 29, 30, 31, 32 - 192,168,1.10 * / F1:067:200F3:F4 / Bindloads (Gg zg žij 192,168,1.10, G, Gilloads (Gg zg žij 192,168,1.10, G, G) (Gg zg žij 192,168,1.10, G) (Gg zg zij 192,168,1.10, G)					192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx6 《仅发送到 192.168.1.10,仅…	9
SilCO artshadow 4 4 33, 34, 35, 36 192,168,1.10 * / F140672:00:F344 / Bindlod (G, g, g, g, H) 120,168,1.10, GiCO artshadow 4 4 37, 38, 39, 40 192,168,1.10 * / F140672:00:F344 / Bindlod (G, g, g, g, H) 120,168,1.10, GiCO artshadow 4 4 41, 42, 41, 44 192,168,1.10 * / F140672:00:F344 / Bindlod (G, g, g, g, H) 120,168,1.10, GiCO artshadow 4 4 45, 46, 47, 48 192,168,1.10 * / F140672:00:F344 / Bindlot (G, g, g, g, H) 120,168,1.10, GiCO artshadow 4 4 43, 50, 51, 52 192,168,1.10 * / F140672:00:F344 / Bindlot (G, g, g, H) 120,181,1.10, GiCO artshadow 4 4 33, 55, 56 192,168,1.10 * / F140672:00:F344 / Bindlot (G, g, g, H) 120,181,1.10, GiCO artshadow 4 4 57, 58, 59, 60 192,168,1.10 * / F140672:00:F344 / Bindlot (G, g, g, H) 120,181,1.10, GiCO artshadow 4 4 61, 62, 63, 64 192,168,1.10 * / F140672:00:F344 / Bindlot (G, g, g, H) 120,181,1.10, GiCO artshadow 4 4 61, 62, 63, 64 192,168,1.10 * / F140672:00:F344 / Bindlot (G, g, g, H) 120,181,1.10,	GICO-art-shadow 4		25, 26, 27, 28		192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx7(仅发送到 192.168.1.10,仅	
BICO-artshadow 4 4 37, 36, 39, 40 - 192,168,1.10 * / F1:00-F2:00-F3:4 / Bindlat10 (Gg ± #) 192,168,1.10, BICO-artshadow 4 4 41, 42, 43, 44 - 192,168,1.10 * / F1:00-F2:00-F3:4 / Bindlat10 (Gg ± #) 192,168,1.10, BICO-artshadow 4 4 43,64,67,48 - 192,168,1.10 * / F1:00-F2:00-F3:4 / Bindlat10 (Gg ± #) 192,168,1.10, BICO-artshadow 4 4 49,50,51,52 192,168,1.10 * / F1:00-F2:00-F3:4 / Bindlat10 (Gg ± #) 192,168,1.10, BICO-artshadow 4 4 53,55,55 - 192,168,1.10 * / F1:00-F2:00-F3:4 / Bindlat13 (Gg ± #) 192,168,1.10, SIGO-artshadow 4 4 57,55,56 - 192,168,1.10 * / F1:00-F3:00-F3:4 / Bindlat13 (Gg ± #) 192,168,1.10, BICO-artshadow 4 4 61,62,63,64 - 192,168,1.10 * / F1:00-F3:00-F3:4 / Bindlat13 (Gg ± #) 192,168,1.10, BICO-artshadow 4 4 63,66,67,68 - 192,168,1.10 * / F1:00-F3:4 / Bindlat13 (Gg ± #) 192,168,1.10,					192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx8《仅发送到 192.168.1.10,仅	
GICO artshadow 4 4 41,42,43,44 192.168.1.10 * / F1d052.0053.64 / Bindlach11 (Q.g.g.žž) 192.168.1.10, GICO artshadow 4 4 65,46,47,48 192.168.1.10 * / F1d052.0053.64 / Bindlach11 (Q.g.g.žž) 192.168.1.10, GICO artshadow 4 4 40,50,51,52 192.168.1.10 * / F1d0672.0053.64 / Bindlach11 (Q.g.g.žž) 192.168.1.10, GICO artshadow 4 4 53,54,55,56 192.168.1.10 * / F1d0672.0053.64 / Bindlach11 (Q.g.g.žž) 192.168.1.10, GICO artshadow 4 4 57,58,50,60 192.168.1.10 * / F1d0672.0053.64 / Bindlach11 (Q.g.g.žž) 192.168.1.10, GICO artshadow 4 4 61,62,63,64 192.168.1.10 * / F1d0672.0053.64 / Bindlach11 (Q.g.g.žž) 192.168.1.10, GICO artshadow 4 4 61,62,63,64 192.168.1.10 * / F1d0672.0053.64 / Bindlach11 (Q.g.g.žž) 192.168.1.10, GICO artshadow 4 4 61,62,63,64 192.168.1.10 * / F1d0672.0053.64 / Bindlach11 (Q.g.g.ž) 192.168.1.10,	GICO-art-shadow 4		33, 34, 35, 36		192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx9(仅发送到 192.168.1.10,仅	
GICO-artshadow 4 4 45, 46, 47, 48 - 192.168.1.10 * / F100.F2.00.F3.F4 / Bindlart 12 (\$2,22±3) 192.168.1.10, GICO-artshadow 4 4 40, 50, 51, 52 - 192.168.1.10 * / F100.F2.00.F3.F4 / Bindlart 12 (\$2,22±3) 192.168.1.10, GICO-artshadow 4 4 33, 54, 55, 56 - 192.168.1.10 * / F100.F2.00.F3.F4 / Bindlart 12 (\$2,22±3) 192.168.1.10, GICO-artshadow 4 4 57, 58, 59, 60 - 192.168.1.10 * / F100.F2.00.F3.F4 / Bindlart (\$2,22±3) 192.168.1.10, GICO-artshadow 4 4 61, 62, 63, 64 - 192.168.1.10 * / F100.F2.00.F3.F4 / Bindlart (\$2,22±3) 192.168.1.10, GICO-artshadow 4 4 61, 62, 63, 64 - 192.168.1.10 * / F100.F2.00.F3.F4 / Bindlart (\$2,22±3) 192.168.1.10,					192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx10(仅发送到 192.168.1.10,…	
GICO-artshadow 4 4 40, 50, 51, 52 - 192,168.1.10 * / F1:06:F3:04 / Bindid:13 (夏麦差) 192,168.1.10, GICO-artshadow 4 4 53, 34, 55, 56 - 192,168.1.10 * / F1:06:F2:00:F3:F4 / Bindid:14 (夏麦差) 192,168.1.10, GICO-artshadow 4 4 57, 35, 50, 60 - 192,168.1.10 * / F1:06:F2:00:F3:F4 / Bindid:14 (夏麦差) 192,168.1.10, GICO-artshadow 4 4 61, 62, 63, 64 - 192,168.1.10 * / F1:06:F2:00:F3:F4 / Bindid:16 (夏麦差) 192,168.1.10, GICO-artshadow 4 4 63, 66, 67, 68 - 192,168.1.10 * / F1:06:F2:00:F3:F4 / Bindid:16 (夏麦差) 192,168.1.10,	GICO-art-shadow 4		41, 42, 43, 44		192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx11(仅发送到 192.168.1.10,	
aCO_artshadow 4 4 53, 54, 55, 56 - 192.168.1.10 */F1:06F2:00F3:F4 / Bindick14 (夏麦麦着 192.168.1.10, … GCO_artshadow 4 4 57, 58, 59, 60 - 192.168.1.10 */F1:06F2:00F3:F4 / Bindick14 (夏麦麦着 192.168.1.10, … GCO_artshadow 4 4 61, 62, 63, 64 - 192.168.1.10 */F1:06F2:00F3:F4 / Bindick16 (夏麦麦着 192.168.1.10, … GCO_artshadow 4 4 63, 66, 67, 68 - 192.168.1.10 */F1:06F2:00F3:F4 / Bindick16 (夏麦麦着 192.168.1.10, …					192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx12(仅发送到 192.168.1.10,…	
GICO-artshadow 4 4 57,58,59,60 - 192,168.1.10 * / F1:00-F2:00:F3:F4 / Bindict15 (覚支芸賞 192,168.1.10, GICO-artshadow 4 4 01,62,63,64 - 192,168.1.10 * / F1:00-F3:F4 / Bindict16 (覚支支援) 192,168.1.10, GICO-artshadow 4 4 03,66,67,68 - 192,168.1.10 / F1:00-F3:F4 / Bindict19 (覚支支援) 192,168.1.10,	GICO-art-shadow 4		49, 50, 51, 52		192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx13(仅发送到 192.168.1.10,	
GICO-artshadow 4 61,62,63,64 - 192,168.1.10 */F1:00:F3:F4 / Bindlor16 (夏麦婆第192,168.1.10, GICO-artshadow 4 65,66,67,68 - 192,168.1.10 */F1:00:F3:F4 / Bindlor17 (夏麦第192,168.1.10,					192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx14(仅发送到 192.168.1.10,	
GICO-art-shadow 4 4 65, 66, 67, 68 - 192.168.1.10 * / F1:00:F2:00:F3:F4 / Bindidx17 (反変差第 192.168.1.10,	GICO-art-shadow 4		57, 58, 59, 60		192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx15 《仅发送到 192.168.1.10,	
					192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx16(仅发送到 192.168.1.10,	
	GICO-art-shadow 4		65, 66, 67, 68		192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx17 (仅发送到 192.168.1.10,	-
GICO-art-shadow 4 4 69, 70, 71, 72 - 192.168.1.10 * / F1:00:F2:00:F3:F4 / Bindldx18 (仅发送到 192.168.1.10,					192.168.1.10 * / F1:00:F2:00:F3:F4 / BindIdx18(仅发送到 192.168.1.10,…	A

Application 2: 6612 Pro connects to DMX512 console



Button Instruction:

User interface



includes: display、 "Menu" button、 "▲" button、 "▼" button , "Menu" is the function selection key。

Press "Menu" for 3 seconds to enter function select, press "Menu"select DMX address, brightness, speed, mode, IP address, "▲"and"▼"Increase or decrease parameter values. In normal operation, the LCD screen displays a startup screen, and the button is invalid. Long press the Menu" button to enter the function selection.

DMX address setting



In the DMX address setting interface, press " \blacktriangle " or " \blacktriangledown " can seting DMX512 trigger Address, After setting, the controller saves automatically.

Brightness setting

Brightness 100%

In Brightness setting interface, press " \blacktriangle " or " \triangledown " can setting LED lamps brightness, After setting, the controller saves automatically.

Speed setting



In Speed setting interface, press " \blacktriangle " or " ∇ " can setting speed, After setting, the controller saves automatically.

Mode setting



1. In "auto" mode, the controller automatically plays all scene files in SD and automatically cycles from small to large according to the file serial number.

2. In "DMX trigger" mode, Receive DMX512 data from console and Execute these instructions.

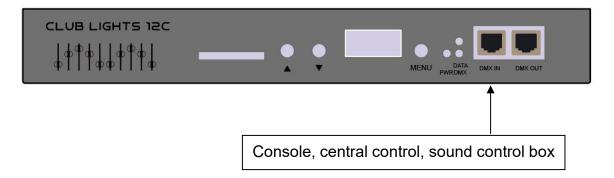
3. In "outside sync" mode, When multiple GC-6612 controllers need to be synchronized, use external synchronization mode.

IP address setting



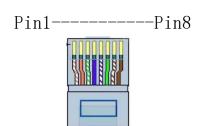
In the IP address setting interface, press " \blacktriangle " or " \blacktriangledown " can setting IP Address of The controller, After setting, the controller saves automatically, The default value is 192.168.1.10, The user can modify only the fourth byte.

DMX trigger Instruction:



The external trigger command is a standard DMX512 signal, which is connected to an external DMX512 console and KTV intelligent lighting control box.

1	2	3	4	5	6	7	8
D+	D-	NC	NC	NC	NC	GND	NC



DMX512 trigger channel description:

Trigger address	Value range	Function Description	
Add+1	0~255	Total brightness	
Add+2	0~255	Red LED adjustment	
Add+3	0~255	Green LED adjustment	
Add+4	0~255	Blue LED adjustment	
Add+5	0~255	White LED adjustment (Only valid for RGBW lamps)	
Add+6	0~255	Scene selection, 4 values correspond to a scene.	
		0-3 Corresponding scene 1	
		4-7 Corresponding scene 2	
		8-11 Corresponding scene 3	
		12-15 Corresponding scene 4	
		And so on	
		Total support 64 scenes	
Add+7	0~255	Play speed, 0 is the slowest, 1 to 255 continuously adjustable	
Add+8	0~255	Strobe, 0 invalid, 1 to 255 flashing frequency continuously adjustable	
Add+9	0~255	Mix color control:	
		0-31: Not enabled (Insert background is not enabled)	
		32-63: Enable , Replace black pixels with background	
		64-95: Enable, Black pixels are kept, others are replaced with background	
		69-127: Background and original content or logical operation	
		128-255: Reserve(Not enabled)	
Add+10	0~255	Mix red	
Add+11	0~255	Mix green	
Add+12	0~255	Mix blue	

Add+13	0~255	 Grouping function O: Not enabled 1-15: open Single port, The value corresponds to the port number. 16-31: open odd-numbered ports (1, 3, 5, 7, 9, 11) 32-47: open Even-numbered ports (2, 4, 6, 8, 10, 12) 48-63: 1 to 12 ports, open one by one. 64-79: 12 to 1 ports, open one by one. 80-95: From 1 to 12 Zipper opening. 96-111: From 12 to 1 Zipper opening. 112-127: Open from the middle to both sides. 128-143: Open from both sides to the middle. 144-159: Close from both sides to the middle.

Add --User set by button in the "DMX address setting" .

Scene file description:

File format:

XXXXXXXX - XX . rgb (1) (2)(3)

- (1) .The default is two characters "SC", user can also define other characters, note that the maximum is eight characters。 (No special need, modification is not recommended).
- (2) Reserve, The default is "-",User cannot modify.
- (3) .The default: 01、02、03 etc, scene serial number, when the controller is in auto mode, it will play in sequence according to this value,Users can modify as needed, it is recommended to copy to SD after modification on PC,

Note: It is recommended to format the SD card before copying the card.