

QuattroPod Lite

LT01/LR01

Specification



Revision	History	Date
V1.01	Initial Release	2020/Jan.
V1.02	Error correction	2020/Apr.

Introduction

QuattroPod Lite (LT01/LR01) is the powerful but low cost WiFi Presentation System products. It contains one transmitter(LT01) and one receiver (LR01). The plug & mirror capability makes it easier to use without learning curve. LT01 comes with high speed 802.11ac WiFi module and external antenna to bring you the great connection and smooth streaming. Through our advanced Receiver LR01, you can even use your mobile phone to cast without efforts, this will be the great entry-level product for WPS application.

What's in the box?

When you open the box, it contains

- QuattroPod Lite Receiver LR01 (hereinafter called Rx or LR01) with external antennas, x1
- QuattroPod Lite Transmitter LT01(hereinafter called Tx or LT01) with external antennas, x1
- 5V Adapter, x1
- Long HDMI Cable for LR01 x1
- Short HDMI Cable for L01, x1
- MicroUSB cable x1
- Quick Start Guide, x1

System Requirement:

-PC: Any PC or laptops with HDMI output

-Apple devices: Compatible with airplay for iOS 12, macOS 10.12 above

-Android devices: Android 5.0 above for QuattroPod APK, or use Chromecast to cast

*[android user can use our QuattroPod apk or Chromecast to cast.](#)

Receiver (LR01) Spec:

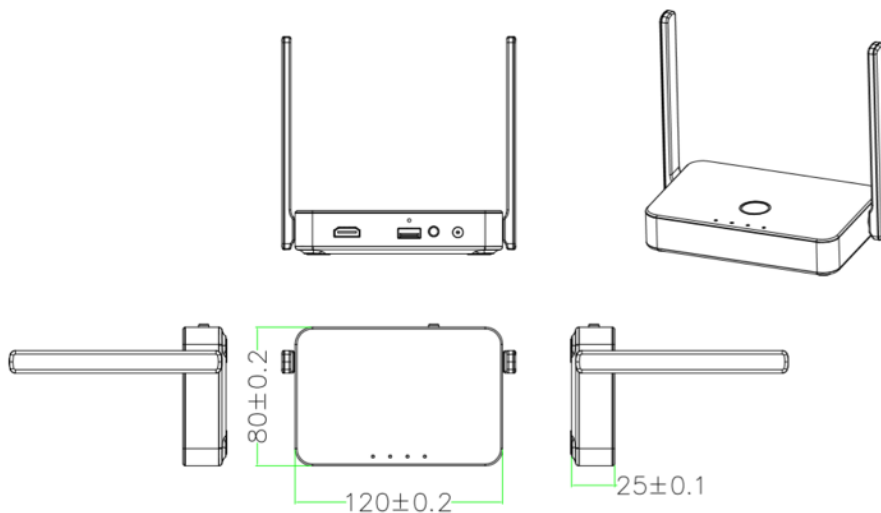
CPU	1Ghz Dual Core CPU
Output Resolution	<ul style="list-style-type: none">● 1024x768@70hz● 1280x960@85hz● 720p@50hz/60hz● 1080p@50hz/60hz● 2160p@24hz/30hz
I/O	<ul style="list-style-type: none">● HDMI out (HDMI1.4)● USB type A (USB 2.0 for Pairing and Reverse Control)● DC 5V
WiFi	802.11ac 2T2R, max. bandwidth 866Mbps (5Ghz)
WiFi Frequency	5Ghz: 5.150Ghz~5.825Ghz
Power	DC 5V, 2A
HDCP	HDCP1.4

LED Indication	Power, HDMI, WiFi, USB
Key	Reset button
Power Consumption	<ul style="list-style-type: none"> ● Standby: 5W approx., Casting: 7.5W approx., Pairing max. 10W
Working Temp.	0~40°C
Storage Temp.	-20~70°C

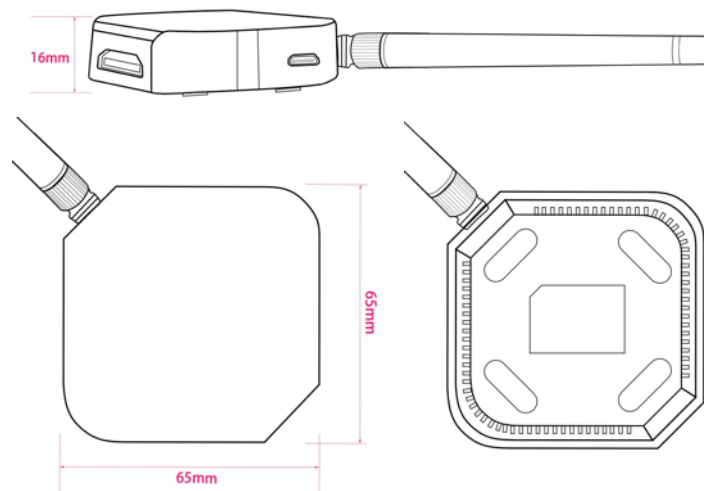
Transmitter (LT01) Spec:

CPU	1Ghz RISC CPU
Input Resolution	<ul style="list-style-type: none"> ● 1920x1080@30Hz/60Hz ● 1920x1080i@50Hz/60Hz ● 1280x720@50Hz/60Hz
I/O	<ul style="list-style-type: none"> ● HDMI in ● Micro USB
WiFi	802.11ac 1T1R, max. bandwidth 433Mbps (5Ghz)
WiFi Frequency	5Ghz: 5.150Ghz~5.825Ghz
Power	DC 5V, 0.9A
HDCP	HDCP1.4
LED Indication	Power
Power Consumption	<ul style="list-style-type: none"> ● Standby: 2W approx. ● Casting: 4.5W approx.
Working Temp.	0~40°C
Storage Temp.	-20~70°C

Dimension (LR01):



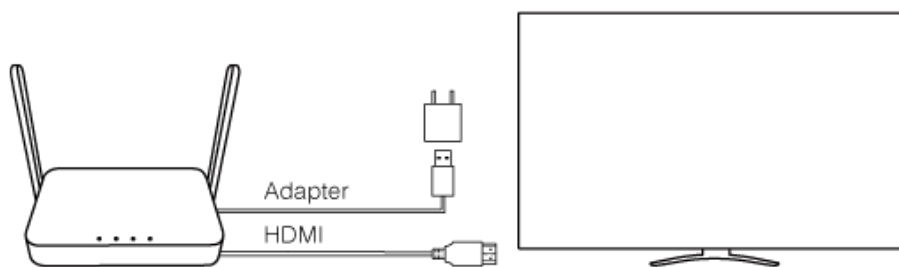
Dimension (LT01):



Installation Guide:

LR01:

1. Connect Power with the adaptor
2. Connect HDMI with HDMI port with the projectors or displays.



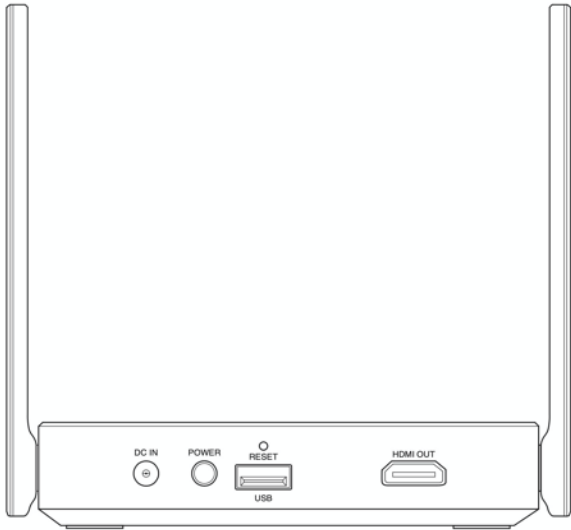
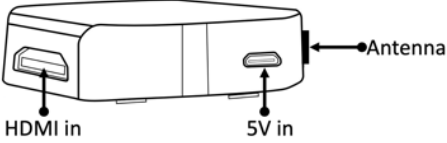
*Notice: Rx is compatible with VESA mounting screw holes. Please use the 5x5 bracket and M4 screws.

*Due to WiFi signal requires enough space, please DO NOT block the antenna or mount it behind of TV/Panel.

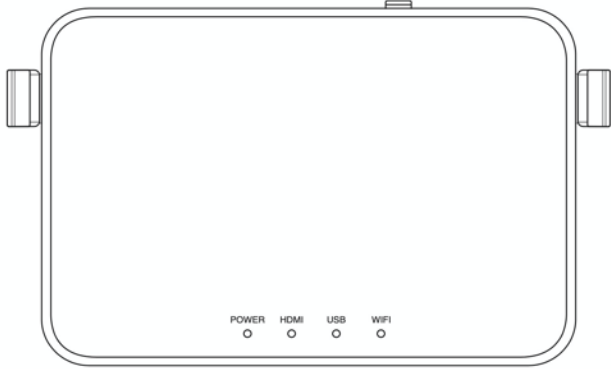
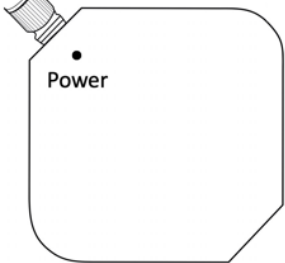
LT01:

1. Plug USB 5V(required 0.9A above), through adaptors or USB ports of laptops
 2. Connect HDMI port with PC, the screen will be mirrored automatically.
- *Notice: If the HDMI cable is not long enough, please use extension cable to ensure the connection

I/O Descriptions:

<p>LR01 Receiver</p>	 <p>The diagram shows the rear panel of the LR01 Receiver. From left to right, it features a DC IN port, a POWER button, a RESET button, a USB port, and an HDMI OUT port. Two antennas are positioned vertically on either side of the device.</p>
<p>LT01 Transmitter</p>	 <p>The diagram shows the side of the LT01 Transmitter. It features an HDMI in port, a 5V in port, and an Antenna.</p>

LED Indication:

<p>QuattroPod Receiver</p>	 <p>The diagram shows the front of the QuattroPod Receiver. It features four LED indicators labeled POWER, HDMI, USB, and WIFI.</p>
<p>QuattroPod Transmitter</p>	 <p>The diagram shows the front of the QuattroPod Transmitter. It features a single LED indicator labeled Power.</p>

WiFi Channel Table (5Ghz, 20Mhz):

Band range	Operating Channel Numbers	Channel center frequencies(MHz)
5180 MHz~5240MHz	36	5180
	40	5200
	44	5220
	48	5240
5260MHz~5320MHz	52	5260
	56	5280
	60	5300
	64	5320
5550MHz~5700MHz	100	5500
	104	5520
	108	5540
	112	5560
	116	5580
	120	5600
	124	5620
	128	5640
	132	5660
	136	5680
5745MHz~5825MHz	140	5700
	149	5745
	153	5765
	157	5785
	161	5805
	165	5825

***please be noted some WiFi channels might be prohibited in different countries.**

LR01 WiFi RF Parameters (5GHz):

Feature	Description
WLAN Standard	IEEE 802.11ac 2x2, WiFi compliant
Frequency Range	4.900 GHz ~ 5.845 GHz (5.0 GHz ISM Band)
Number of Channels	5.0GHz : Please see the table ¹
Output Power	802.11a /54Mbps : 13 dBm ± 1.5 dB @ EVM ≤ -25dB
	802.11n /MCS7 : 12 dBm ± 1.5 dB @ EVM ≤ -28dB
	802.11ac /MCS9 : 10 dBm ± 1.5 dB @ EVM ≤ -32dB
SISO Receive Sensitivity (11a,20MHz) @10% PER	- 6Mbps PER @ -88 dBm, typical
	- 9Mbps PER @ -87 dBm, typical
	- 12Mbps PER @ -86 dBm, typical
	- 18Mbps PER @ -83 dBm, typical
	- 24Mbps PER @ -80 dBm, typical
	- 36Mbps PER @ -77 dBm, typical
	- 48Mbps PER @ -72 dBm, typical
MIMO Receive Sensitivity (11a,20MHz) @10% PER	- 6Mbps PER @ -90 dBm, typical
	- 9Mbps PER @ -89 dBm, typical
	- 12Mbps PER @ -88 dBm, typical
	- 18Mbps PER @ -86 dBm, typical
	- 24Mbps PER @ -83 dBm, typical
	- 36Mbps PER @ -80 dBm, typical
	- 48Mbps PER @ -75 dBm, typical
SISO Receive Sensitivity (11n,20MHz) @10% PER	- MCS=0 PER @ -88 dBm, typical
	- MCS=1 PER @ -85 dBm, typical
	- MCS=2 PER @ -83 dBm, typical
	- MCS=3 PER @ -80 dBm, typical
	- MCS=4 PER @ -76 dBm, typical
	- MCS=5 PER @ -71 dBm, typical
	- MCS=6 PER @ -70 dBm, typical
MIMO Receive Sensitivity (11n,20MHz) @10% PER	- MCS=0 PER @ -89 dBm, typical
	- MCS=1 PER @ -88 dBm, typical
	- MCS=2 PER @ -86 dBm, typical
	- MCS=3 PER @ -83 dBm, typical

	- MCS=4 PER @ -79 dBm, typical
	- MCS=5 PER @ -74 dBm, typical
	- MCS=6 PER @ -73 dBm, typical
	- MCS=7 PER @ -71 dBm, typical
	- MCS=8 PER @ -88 dBm, typical
	- MCS=15 PER @ -68 dBm, typical
SISO Receive Sensitivity (11n,40MHz) @10% PER	- MCS=0 PER @ -85 dBm, typical
	- MCS=1 PER @ -82 dBm, typical
	- MCS=2 PER @ -80 dBm, typical
	- MCS=3 PER @ -77 dBm, typical
	- MCS=4 PER @ -73 dBm, typical
	- MCS=5 PER @ -69 dBm, typical
	- MCS=6 PER @ -67 dBm, typical
	- MCS=7 PER @ -66 dBm, typical
MIMO Receive Sensitivity (11n,40MHz) @10% PER	- MCS=0 PER @ -87 dBm, typical
	- MCS=1 PER @ -85 dBm, typical
	- MCS=2 PER @ -83 dBm, typical
	- MCS=3 PER @ -80 dBm, typical
	- MCS=4 PER @ -76 dBm, typical
	- MCS=5 PER @ -72 dBm, typical
	- MCS=6 PER @ -70 dBm, typical
	- MCS=7 PER @ -69 dBm, typical
	- MCS=8 PER @ -85 dBm, typical
	- MCS=15 PER @ -66 dBm, typical
SISO Receive Sensitivity (11ac,20MHz) @10% PER	- MCS=0, NSS1 PER @ -86 dBm, typical
	- MCS=1, NSS1 PER @ -84 dBm, typical
	- MCS=2, NSS1 PER @ -82 dBm, typical
	- MCS=3, NSS1 PER @ -79 dBm, typical
	- MCS=4, NSS1 PER @ -75 dBm, typical
	- MCS=5, NSS1 PER @ -70 dBm, typical
	- MCS=6, NSS1 PER @ -69 dBm, typical
	- MCS=7, NSS1 PER @ -68 dBm, typical
	- MCS=8, NSS1 PER @ -64 dBm, typical
MIMO Receive Sensitivity (11ac,20MHz) @10% PER	- MCS=0, NSS1 PER @ -88 dBm, typical
	- MCS=1, NSS1 PER @ -87 dBm, typical
	- MCS=2, NSS1 PER @ -85 dBm, typical
	- MCS=3, NSS1 PER @ -82 dBm, typical
	- MCS=4, NSS1 PER @ -78 dBm, typical

	- MCS=5, NSS1 PER @ -73 dBm, typical
	- MCS=6, NSS1 PER @ -72 dBm, typical
	- MCS=7, NSS1 PER @ -71 dBm, typical
	- MCS=8, NSS1 PER @ -67 dBm, typical
	- MCS=0, NSS2 PER @ -87 dBm, typical
	- MCS=8, NSS2 PER @ -63 dBm, typical
SISO Receive Sensitivity (11ac,40MHz) @10% PER	- MCS=0, NSS1 PER @ -84 dBm, typical
	- MCS=1, NSS1 PER @ -81 dBm, typical
	- MCS=2, NSS1 PER @ -79 dBm, typical
	- MCS=3, NSS1 PER @ -76 dBm, typical
	- MCS=4, NSS1 PER @ -73 dBm, typical
	- MCS=5, NSS1 PER @ -68 dBm, typical
	- MCS=6, NSS1 PER @ -67 dBm, typical
	- MCS=7, NSS1 PER @ -66 dBm, typical
	- MCS=8, NSS1 PER @ -61 dBm, typical
	- MCS=9, NSS1 PER @ -60 dBm, typical
MIMO Receive Sensitivity (11ac,40MHz) @10% PER	- MCS=0, NSS1 PER @ -86 dBm, typical
	- MCS=1, NSS1 PER @ -84 dBm, typical
	- MCS=2, NSS1 PER @ -82 dBm, typical
	- MCS=3, NSS1 PER @ -79 dBm, typical
	- MCS=4, NSS1 PER @ -76 dBm, typical
	- MCS=5, NSS1 PER @ -71 dBm, typical
	- MCS=6, NSS1 PER @ -70 dBm, typical
	- MCS=7, NSS1 PER @ -69 dBm, typical
	- MCS=8, NSS1 PER @ -64 dBm, typical
	- MCS=9, NSS1 PER @ -63 dBm, typical
	- MCS=0, NSS2 PER @ -84 dBm, typical
	- MCS=9, NSS2 PER @ -60 dBm, typical
SISO Receive Sensitivity (11ac,80MHz) @10% PER	- MCS=0, NSS1 PER @ -81 dBm, typical
	- MCS=1, NSS1 PER @ -78 dBm, typical
	- MCS=2, NSS1 PER @ -76 dBm, typical
	- MCS=3, NSS1 PER @ -72 dBm, typical
	- MCS=4, NSS1 PER @ -69 dBm, typical
	- MCS=5, NSS1 PER @ -66 dBm, typical
	- MCS=6, NSS1 PER @ -64 dBm, typical
	- MCS=7, NSS1 PER @ -62 dBm, typical
	- MCS=8, NSS1 PER @ -58 dBm, typical
	- MCS=9, NSS1 PER @ -56 dBm, typical

MIMO Receive Sensitivity (11ac,80MHz) @10% PER	- MCS=0, NSS1 PER @ -82 dBm, typical
	- MCS=1, NSS1 PER @ -81 dBm, typical
	- MCS=2, NSS1 PER @ -79 dBm, typical
	- MCS=3, NSS1 PER @ -75 dBm, typical
	- MCS=4, NSS1 PER @ -72 dBm, typical
	- MCS=5, NSS1 PER @ -69 dBm, typical
	- MCS=6, NSS1 PER @ -67 dBm, typical
	- MCS=7, NSS1 PER @ -65 dBm, typical
	- MCS=8, NSS1 PER @ -61 dBm, typical
	- MCS=9, NSS1 PER @ -60 dBm, typical
	- MCS=0, NSS2 PER @ -80 dBm, typical
	- MCS=9, NSS2 PER @ -56 dBm, typical
Maximum Input Level	802.11a/n : -30 dBm
Antenna Reference	Small antennas with 0~2 dBi peak gain

LT01 WiFi Parameters(5Ghz)

Feature	Description
WLAN Standard	IEEE 802.11a/n/ac, Wi-Fi compliant
Frequency Range	5.125 GHz ~ 5.845 GHz (5.0 GHz ISM Band)
Number of Channels	5.0GHz : Band1~Band4, please see the table 1
Modulation	802.11a/n : 64-QAM, 16-QAM, QPSK, BPSK 802.11ac : 256-QAM, 64-QAM, 16-QAM, QPSK, BPSK
Output Power	802.11a /64-QAM(R=3/4) : 14 dBm ± 1.5 dB @ EVM ≤ -25dB
	802.11n /64-QAM(R=5/6) : 13 dBm ± 1.5 dB @ EVM ≤ -28dB
	802.11ac/256-QAM(R=3/4) : 13 dBm ± 1.5 dB @ EVM ≤ -30dB
	802.11ac/256-QAM(R=5/6) : 11 dBm ± 1.5 dB @ EVM ≤ -32dB
Receive Sensitivity (11a, 20MHz) @10% PER	- 6Mbps PER @ -85 dBm, typical
	- 9Mbps PER @ -83 dBm, typical
	- 12Mbps PER @ -82 dBm, typical

	- 18Mbps PER @ -80 dBm, typical
	- 24Mbps PER @ -76 dBm, typical
	- 36Mbps PER @ -73 dBm, typical
	- 48Mbps PER @ -68 dBm, typical
	- 54Mbps PER @ -67 dBm, typical
Receive Sensitivity (11n,20MHz) @10% PER	- MCS=0 PER @ -85 dBm, typical
	- MCS=1 PER @ -83 dBm, typical
	- MCS=2 PER @ -80 dBm, typical
	- MCS=3 PER @ -77 dBm, typical
	- MCS=4 PER @ -73 dBm, typical
	- MCS=5 PER @ -69 dBm, typical
	- MCS=6 PER @ -67 dBm, typical
	- MCS=7 PER @ -66 dBm, typical
Receive Sensitivity (11n,40MHz) @10% PER	- MCS=0 PER @ -83 dBm, typical
	- MCS=1 PER @ -80 dBm, typical
	- MCS=2 PER @ -78 dBm, typical
	- MCS=3 PER @ -75 dBm, typical
	- MCS=4 PER @ -72 dBm, typical
	- MCS=5 PER @ -67 dBm, typical
	- MCS=6 PER @ -66 dBm, typical
	- MCS=7 PER @ -64 dBm, typical
Receive Sensitivity (11ac,20MHz) @10% PER	- MCS=0 PER @ -86 dBm, typical
	- MCS=1 PER @ -84 dBm, typical
	- MCS=2 PER @ -81 dBm, typical
	- MCS=3 PER @ -77 dBm, typical
	- MCS=4 PER @ -74 dBm, typical
	- MCS=5 PER @ -70 dBm, typical
	- MCS=6 PER @ -68 dBm, typical
	- MCS=7 PER @ -67 dBm, typical
	- MCS=8 PER @ -63 dBm, typical
Receive Sensitivity (11ac,40MHz) @10% PER	- MCS=0 PER @ -83 dBm, typical
	- MCS=1 PER @ -79 dBm, typical
	- MCS=2 PER @ -77 dBm, typical
	- MCS=3 PER @ -74 dBm, typical
	- MCS=4 PER @ -71 dBm, typical
	- MCS=5 PER @ -66 dBm, typical
	- MCS=6 PER @ -64 dBm, typical

	- MCS=7 PER @ -62 dBm, typical
	- MCS=8 PER @ -60 dBm, typical
	- MCS=9 PER @ -59 dBm, typical
Receive Sensitivity (11ac,80MHz) @10% PER	- MCS=0 PER @ -80 dBm, typical
	- MCS=1 PER @ -77 dBm, typical
	- MCS=2 PER @ -75 dBm, typical
	- MCS=3 PER @ -71 dBm, typical
	- MCS=4 PER @ -68 dBm, typical
	- MCS=5 PER @ -66 dBm, typical
	- MCS=6 PER @ -62 dBm, typical
	- MCS=7 PER @ -60 dBm, typical
	- MCS=8 PER @ -57 dBm, typical
	- MCS=9 PER @ -56 dBm, typical

Main Screen of Rx

When Quattro RX is successfully turned on, the screen will be shown on display-



Icons Description for Function & Link Status

* *Outbound link can select only one of Wi-Fi.*



Airplay activated after web setting. (Default is off)



Quattro RX has been powered on, however, there is neither Quattro TX nor device linked.



Shift in 3, which means “under pairing” or “building the connection”.



Complete pairing or connection, the number showed total Quattro TX or Device linked.



Outbound Wi-Fi disconnected.



Shift in 3, outbound Wi-Fi is connecting.



Outbound Wi-Fi connected with the router name shown underline.



Wi-Fi connection Fail, Invalid password or other Errors

Web Setting

LR01 IP- when Devices (either laptops or mobile phones) connect with LR01 with SSID & Password directly, applying the IP in web browser can enter Admin setting page for more advance setting.