RCT 1012
yellobrik Rack Controller

Technical Specifications

Network	10/100/1000 Ethernet (RJ-45)
USB	12 x USB Type A 1 x mini USB Type B
GPI	Connector: RJ45 with 4 x external GPI inputs GPI 1 to 4: Used for monitoring RFR 1000-1 primary and redundant power supplies
User Interface	APPolo Control GUI
Power	+12VDC @ 4W nominal - (supports 7 - 24 VDC input range)
Physical	Size: 108 mm x 90mm x 22mm (4.25" x 3.54" x 0.86") including connectors Weight: 125g (4.4oz)
Ambient	5 - 40ºC (41 - 104ºF) 90% Humidity (non-condensing)
Model #	RCT 1012- (EAN# 4250479326675)
Includes	Module, AC power supply
Compatible Yellobriks	CDH 1813, CHD 1802-1, CHD 1812-1, CQS 1441, ORX 1702-1 LC, ORX 1702-1 MM, ORX 1702-1 SC, ORX 1702-1 ST, OSW 1022, OTX 1712-2 LC, OTX 1712-2 MM, OTX 1712-2 SC, OTX 1712-2 ST, PDM 1284 B, PDM 1284 D, PDM 1383, PMV 1841, PVD 1800 Please check the website for the updated list.

We are constantly adding more yellobrik modules.
Please visit our website for the latest product updates.

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LYNXTechnik **AG**®

yellobrik®
Rack Controller

Ethernet 10/100/1000

USB Ports 9 10 11 12

USB Ports 8 7 6 5 4 3 2 1

LED		
Green	Power present and settings normal	
Yellow	Power present but some internal settings do not match factory defaults	
Yellow (Blinking)	Locate module	
Red	USB overcurrent	
Red (Blinking)	High temperature warning	

GPI

RST LED

Connections

Pin	GPI
1	GND
2	IN 2
3	GND
4	IN 4
5	GND
6	IN 3
7	GND
8	IN 1

RCT 1012

Power
+12V d.c. ⊖─●─⊕ 0V

RST | To reset the module if required

PC - Control mini USB

Power LED

Reset Button

GPI Input

GPI Settings

mini USB type B (for maintenance)

USB Type A ports (9-12)
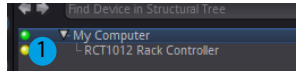
USB Type A ports (1-8)

Connections

All connections are indicated on the module. There are 12 USB Type A ports provided to connect up to 12 yellobriks. An RJ-45 ethernet port is used for network connection that allows management, control, and configuration of the connected yellobriks. The module has four GPI inputs on RJ-45 connector that are used for monitoring the power status of RFR 1000-1. A mini USB Type B port is used for maintenance of the RCT 1012 module.
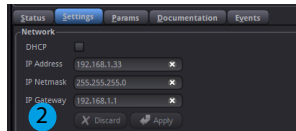
IP Settings

The default IP address of RCT 1012 is set to DHCP mode. The IP settings can be changed via mini USB Type B port connection using APPolo Control GUI. The Admin Password is **lynx$admin**

1 On **APPolo Control GUI**, Click on RCT 1012 Rack Controller

2 Select **Settings** and enter IP Address, IP Netmask and IP Gateway details. Select **Apply**.

3 Enter Admin Password **lynx$admin**
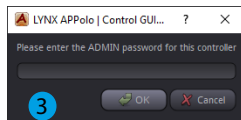
Note: When connected to RCT 1012 via mini B USB port, the network and other USB Type A port on RCT 1012 will be disabled.
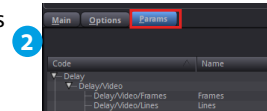
Operation

The RCT 1012 automatically discovers all the yellobrik modules connected to USB Type A ports and displays them in the device tree in the controller node on APPolo Control GUI. It allows bulk firmware updates of all selected yellobriks via the IP network.
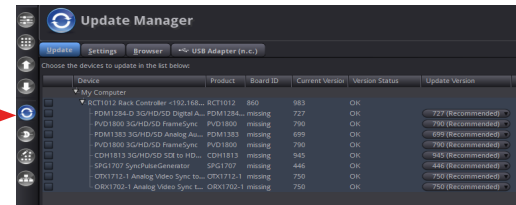
1 Select a yellobrik device
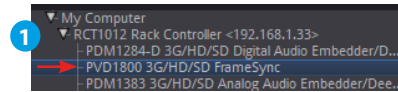
2 Update/Alter the parameters

Firmware Updates

Select Update Manager to update firmware for yellobrik devices.

Update Manager

Power

The module recommends a 12V DC power input and the LED confirms when power is connected and the device has completed its booting process. A power supply is provided, however if you use your own power supply, please provide a clean DC power source between 7 and 24VDC.
The RCT 1012 has a power consumption of approximately 4W nominal.

Green: *Power present and settings normal*

Yellow: *Power present but some settings do not match with factory defaults*

Yellow: (Blinking) *Locate module*

Red: *USB Overcurrent*

Red: (Blinking) *High Temperature warning*