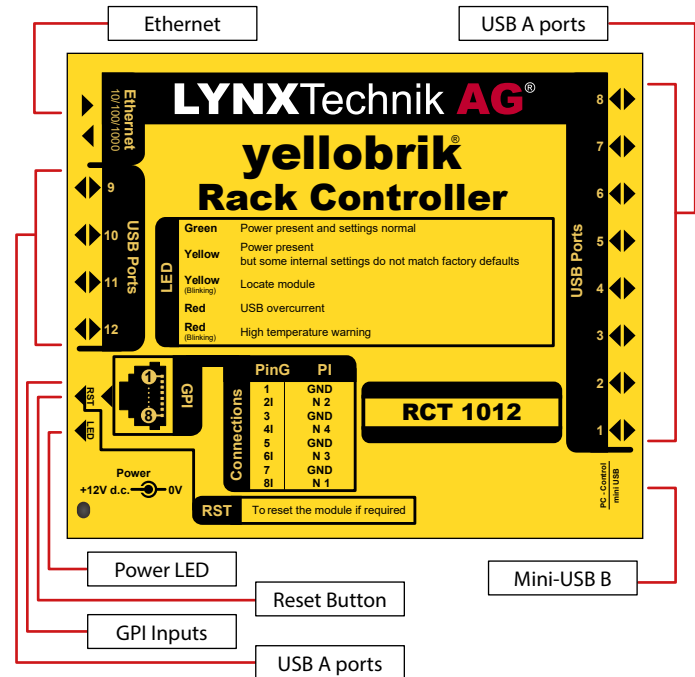


Technical Specifications

Network	10/100/1000 Ethernet (RJ-45)
USB	12x USB Type A 1x mini USB Type B
GPI	Connector: RJ45 with 4x external GPI inputs GPI 1 to 4 are used to monitor the rack frame primary and redundant power supplies
User Interface	Lynx Centraal and APPolo Control The RCT 1012 is NOT compatible with yelloGUI
Power	+12V DC @ 4W nominal - (supports 7 - 24 V DC input range)
Physical	Size: 108 mm x 90mm x 22mm (4.25" x 3.54" x 0.86") incl. connectors Weight: 125g (4.4oz)
Ambient	5 - 40°C (41 - 104°F) 90% Humidity (non-condensing)
Includes	Module, AC power supply, 1 USB Cable Type B for service and updates, 5 USB cables Type B to connect to yellobriks

RCT 1012

yellobrik Rack Controller



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The RCT 1012 is a rack controller that provides centralized USB-over-Ethernet management for up to 12 yellobrik modules. It automatically detects connected devices, supports bulk firmware updates, and simplifies configuration. Installed in an RFR 1200 frame, it monitors power supply status and, with an SRV 1000, enables AutoControl and SNMPv2 support.

Connections

All connections are clearly labeled on the RCT yellobrik module. Twelve USB Type-A ports are provided for connecting up to 12 yellobrik modules. The RJ-45 Ethernet port located at the top provides network connectivity for the management, control, and configuration of connected devices. Four GPI inputs, available on an RJ-45 connector, are used to monitor the power supply status of the RFR 1200 rack frame. A USB Mini-B port is provided for maintenance and service access to the RCT 1012 module.

Operation

The RCT 1012 automatically detects all yellobrik modules connected to its USB ports and displays them in the controller node of the Lynx Centraal and APPolo Control device tree. It supports bulk configuration and firmware updates. To apply firmware updates at once open **Lynx Centraal**, navigate to the **Update** category (orange dot) then open the **Yellow** tab and **Device Update** sub-tab. Select the required **yellobrik** modules from the list and click on **Start Update** at the bottom right.

IP Settings

By default the RCT 1012 is set to use DHCP. The IP settings can be changed via its mini USB-B connection using Lynx Centraal or APPolo Control.

1. Select the RCT in Lynx Centraal or APPolo Control
2. In **Settings** enter the IP Address, Netmask and Gateway details. Click **Apply**.
3. Enter the Admin Password **lynx\$admin**

Note: when connected via the Mini USB-B port the Ethernet interface and all USB Type-A ports are temporarily disabled.

Power LED

● Green	Device Running
● Yellow	Some settings do not match with factory defaults
● Yellow (blinking)	“Locate Module” function active
● Red	USB Overcurrent
● Red (blinking)	Hardware Issues
● Off	Device Not Powered

Combined with a Server Module

When one or more RCT rack controllers are combined with an SRV 1000 yellobrik server, it provides additional functionalities such as AutoControl, CustomControl and Mass Backup/Restore process to a yellobrik system. These additional features can only be accessed via LynxCentraal.

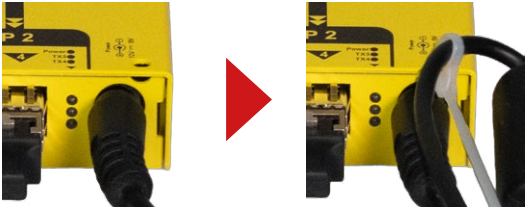
Power

The module requires a 12V DC power input. The LED indicates when power is connected and the device has completed its booting process. . If using an external power supply, a clean 7–24V DC source is required.

The RCT 1012 has a power consumption of 4W.

Power Lead Strain Relief

Yellobrik modules have a small hole above the power connection to prevent the power lead from being accidentally pulled out. Secure the lead using the supplied tie-wrap as shown below.



Optional Mounting Solutions

The optional RFR 1001 mounting bracket allows the module to be installed on any surface and 19” rack rails.



The RFR 1200 rack frame can hold up to 14 yellobriks and can provide power redundancy for all installed devices.

