RED LION®

c UL us LISTED
PROG. CNTLR.
E482663

MDH 811, MDH 816, MDH 831, MDH 835, MDH 841, MDH 850 EU, MDH 850 US, MDH 855 EU, MDH 855 US, MDH 859 EU, MDH 859 US, MDH 871, MDH 876

RA70S - Remote Access Router

Quick Start Guide (V 8.0.0 Jan 9th, 2024)

from **HW 06** and **FW 8.0.0**

LP1163E

Contents

1 IMPORTANT! - Read This

This Quick Start Guide provides a quick overview of selected operating procedures and functions of the Remote Access Router **RA70S** (***mbNET***) from hardware version **HW 06***.
However, the detailed manual with the important Notes and safety instructions can NOT be replaced by this document.
Read the following instructions carefully and keep them in a safe place. For the latest information, updates and the complete Manual, visit our website at **www.redlion.net**.

VALIDITY

The document is valid for ***Remote Access Routers***
RA70SR0W02V1S0D6 - Also referred to in this guide as MDH 811
RA70SR0000V0S0D6 - Also referred to in this guide as MDH 816
RA70SR0W11V1S0D6 - Also referred to in this guide as MDH 831
RA70SR0011R0S0D6 - Also referred to in this guide as MDH 835
RA70SR0W00V0S0D6 - Also referred to in this guide as MDH 841
RA70SR4A02V1S0D6 - Also referred to in this guide as MDH 850 US
RA70SR4E02V1S0D6 - Also referred to in this guide as MDH 850 EU
RA70SR4A11V1S0D6 - Also referred to in this guide as MDH 855 US
RA70SR4E10V1S0D6 - Also referred to in this guide as MDH 855 EU
RA70SR4A00V1S0D6 - Also referred to in this guide as MDH 859 US
RA70SR4E00V1S0D6 - Also referred to in this guide as MDH 859 EU
RA70SR0002V1S0D6 - Also referred to in this guide as MDH 871
RA70SR0011V1S0D6 - Also referred to in this guide as MDH 876
from firmware version **V 8.0.0** and from hardware version **HW 06***
The ***SIMPLY.connect*** function is only available for devices with the **Simplify³** logo *

* see device rating plate

2 Using Open Source Software

The Software provided may contain programming, scripts, tools, modules, libraries, components, or other items that were developed using “open-source code” (the “Open-Source Software”). Open-Source Software is provided to you under one or more open-source license agreements that contain important information concerning ownership, terms of use, and rights, and restrictions for the applicable element of the Open-Source Software. By obtaining, accessing, downloading and/or using Software or the Open-Source Software, you agree that you have read, and understood, and will comply with, the terms and conditions of the applicable Open-Source Licenses in addition to all other the terms applicable to Software under this Agreement.

For a list of Open-Source Licensees used in the Software, please visit https://mbconnectline.com/download-portal/
https://bit.ly/44XU4wZ

Should a license be unavailable through the portal for any reason, requests can be directed to the following address:

Corporate Headquarters
Red Lion Controls, Inc.
1750 5th Avenue
York, PA 17403

Tel: Inside US: +1 (877) 432-9908
Outside US: +1 (717) 767-6511
Website: www.redlion.net
Support: support.redlion.net

3 Included In Delivery

Please check that your delivery is complete:

All device types

1 x ***Router RA70S***
(Fig. representative)

1 x Quick Start Guide

1 x Device information card

... types with GSM modem

MDH 850
MDH 855
MDH 859

1 x GSM antenna

... types with Wi-Fi modem

MDH 811
MDH 831
MDH 841

1 x Wi-Fi antenna

Suitable accessories for all device types

Ethernet cable

You can find more accessories at www.mbconnectline.com

If any of these parts are missing or damaged, please contact the following address:

Red Lion Controls, Inc.
35 Willow Springs Circle
York, PA 17406

Tel: Inside US: +1 (877) 432-9908
Outside US: +1 (717) 767-6511
Website: www.redlion.net | Support: support.redlion.net

This page intentionally left blank.

4 Performance Characteristics

- The router can be fully configured via the portal ***RLConnect24*** or using the web interface via locally connected computer, or remotely.
- Secure connection using an integrated firewall with IP filter, NAT and port forwarding, VPN with AES (256 Bit, 192 Bit, 128 Bit), Blowfish (128 Bit), 3DES (168 Bit), DES (56 Bit), and authentication via Pre-Shared-Key, X.509.
- Alarm management:
  - Fully configurable digital inputs and outputs, and the ability to send via email, SMS or Internet dial-up.
  - Via remote output switching in the event of a fault or with an active Internet connection.
- Integrated server secures all settings, keys and certificates and allows data sharing within the network via connected USB flash or eMMC storage.
- Variable RS232, RS485, RS422 RS interface for connecting control systems.
- Upgradable to full IOT-Gateway capabilities via an Edge IIoT license.

5 Safety Instructions

- Only qualified specialist personnel may install, start up, and operate the router. The national safety and accident prevention regulations must be observed.

  Seul un personnel spécialisé qualifié peut installer, démarrer et utiliser le routeur. Les réglementations nationales en matière de sécurité et de prévention des accidents doivent être respectées.

- The router is built to the latest technological standards and recognized safety standards (see Declaration of Conformity).

  Le routeur est construit selon les dernières normes technologiques et les normes de sécurité reconnues (voir Déclaration de conformité).

- The router is only intended for operation in the control cabinet and with SELV according to DIN EN IEC 62368-1 (VDE 0868-1).

  Le routeur est uniquement destiné à fonctionner dans une armoire électrique et avec SELV selon DIN EN IEC 62368-1 / VDE 0868-1:2021-05.

- The router may only be connected to devices, which meet the requirements of DIN EN IEC 62368-1 (VDE 0868-1).

  Le routeur ne peut être connecté qu'à des appareils répondant aux exigences de la norme EN 62368-1 / VDE 0868.

Safety instructions - continued

- The router is for indoor use only.

  Le routeur est destiné à une utilisation en intérieur uniquement.

- Never open the router chassis. Unauthorized opening and improper repair can pose a danger to the user. Unauthorized modifications are not covered by the manufacturer's warranty.

  N'ouvrez jamais le châssis du routeur. Une ouverture non autorisée et une réparation inappropriée peuvent présenter un danger pour l'utilisateur. Les modifications non autorisées ne sont pas couvertes par la garantie du fabricant.

NOTE: electrostatic discharge!
Observe the necessary safety precautions when handling components that are vulnerable to electrostatic discharge (EN 61340-5-1 and IEC 61340-5-1)!

ATTENTION : décharge électrostatique!
Respectez les précautions de sécurité nécessaires lors de la manipulation de composants sensibles aux décharges électrostatiques (EN 61340-5-1 et CEI 61340-5-1)!

The Remote Access Routers are maintenance-free units. If a router has damage or malfunctions, the device must be immediately taken out of service and secured against inadvertent operation.

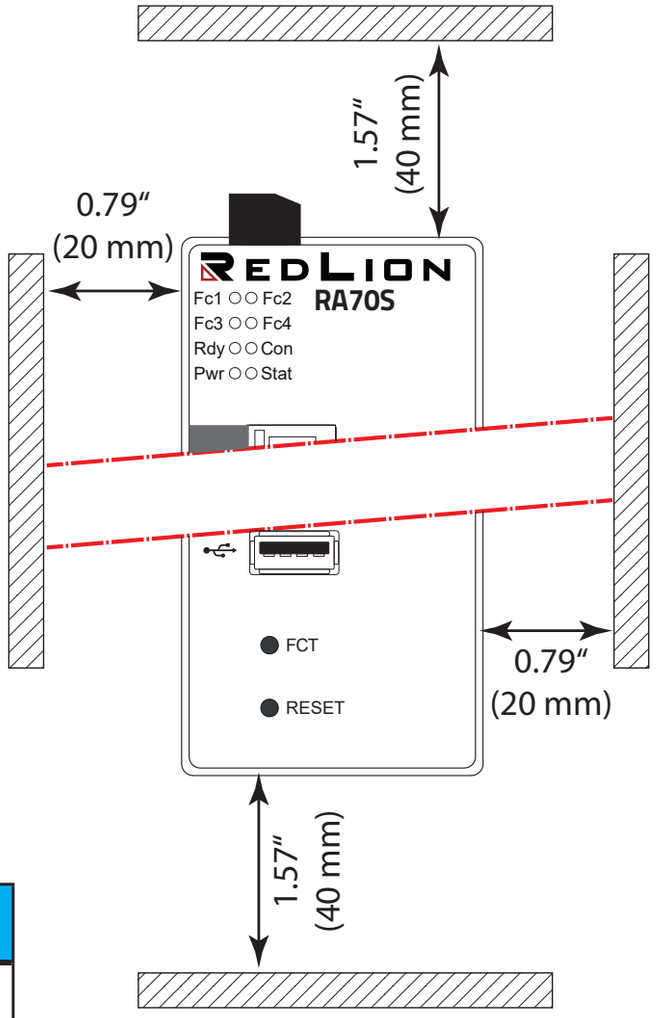
Les routeurs d'accès à distance sont des unités sans entretien. Si un routeur présente des dommages ou des dysfonctionnements, l'appareil doit être immédiatement mis hors service et sécurisé contre toute utilisation involontaire.

6 Router Installation

6.1 Installation position / minimum distances

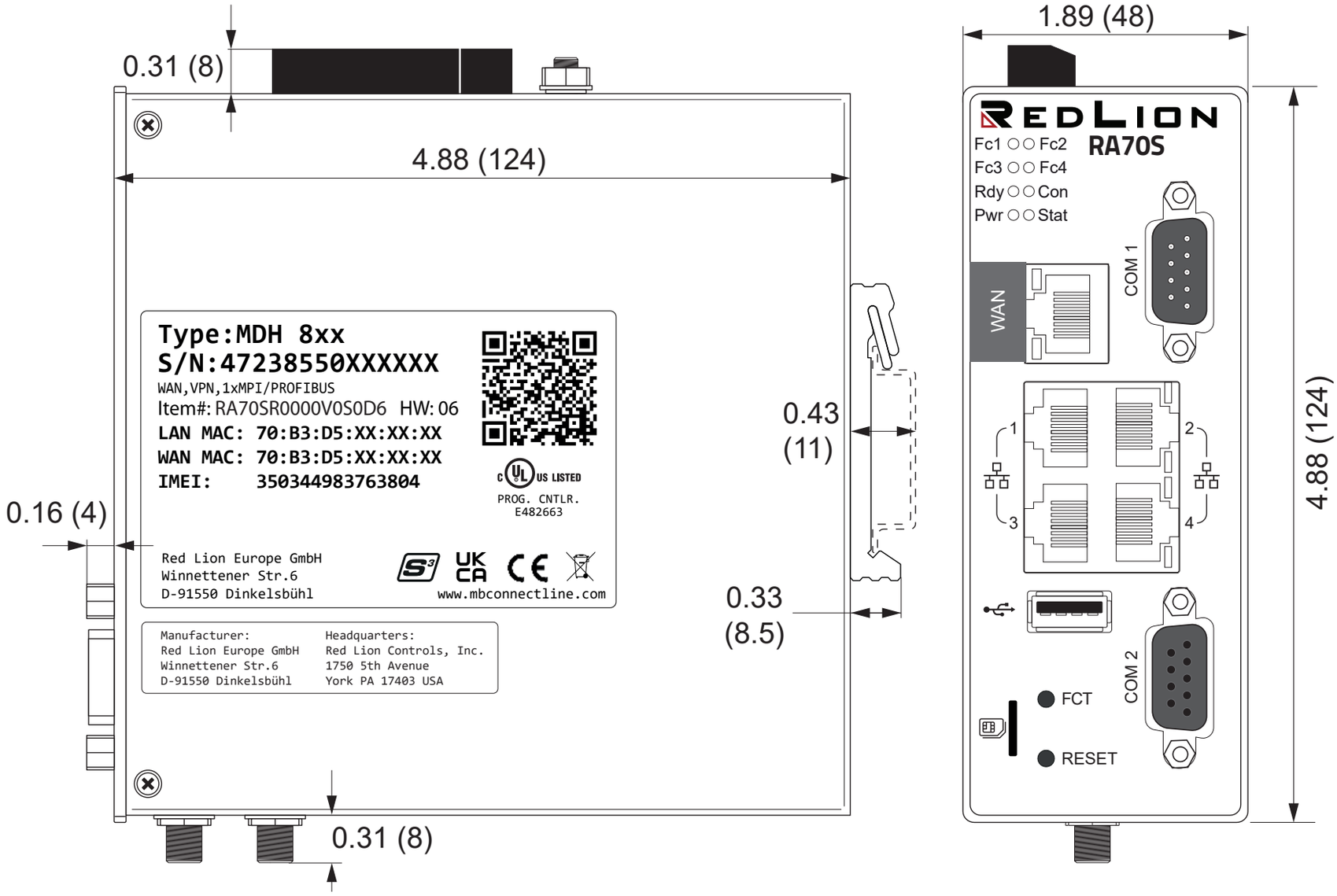
The router is intended for mounting on DIN rails (according to DIN EN 50 022) and for installation in a control cabinet. Installation and mounting must be in accordance with VDE 0100 / IEC 60364. The router may only be mounted in a vertical position as described.

Le routeur est destiné au montage sur rails DIN (selon DIN EN 50 022) et à l'installation dans une armoire électrique. L'installation et le montage doivent être conformes à la norme VDE 0100 / CEI 364. Le routeur ne peut être monté qu'en position verticale comme décrit.



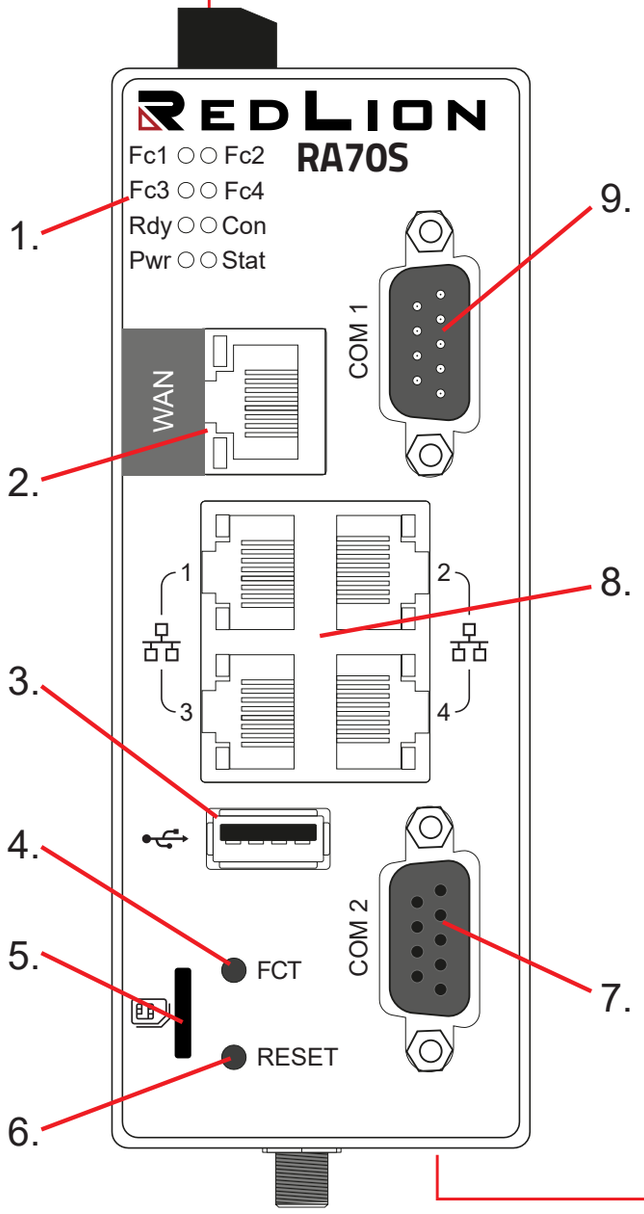
NOTICE / AVIS
Non-compliance with the minimum distances can destroy the device at high ambient temperatures! Le non-respect des distances minimales peut détruire l'appareil en cas de températures ambiantes élevées!

6.2 Device Dimensions in inches (mm)

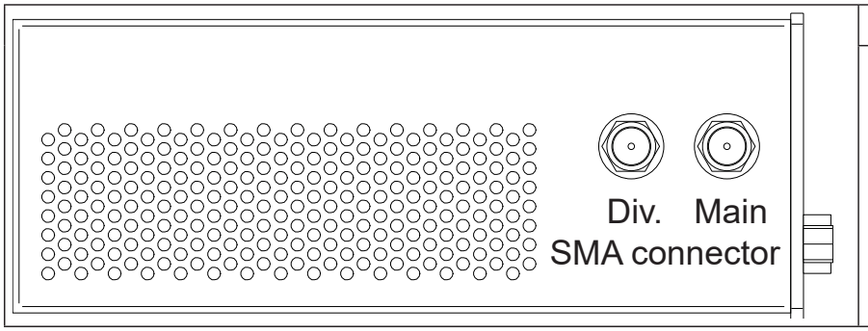


7 Displays, Controls and Connections

X1	+	Power supply connection 10 - 30 V DC
	–	0 V DC connection
X2	4	Digital input I4 (10 - 30 V)
	3	Digital input I3 (10 - 30 V)
	2	Digital input I2 (10 - 30 V)
	1	Digital input I1 (10 - 30 V)
	P	Fuse-protection 10 -30 V DC
	M	0 V DC connection
	O2	Digital output O2
	O1	Digital output O1

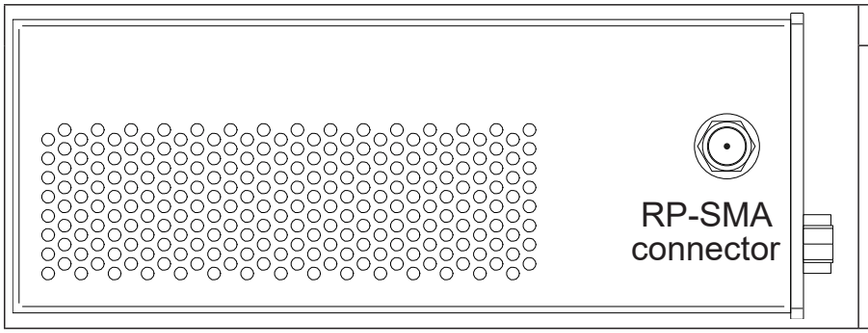


1. Function / status LEDs
2. WAN interface
3. USB Host 2.0
4. FCT (Function) button
5. SIM card slot (4FF/Nano SIM)
6. Reset button
7. Serial interface COM2
8. LAN interfaces 1 - 4
9. Serial interface COM1



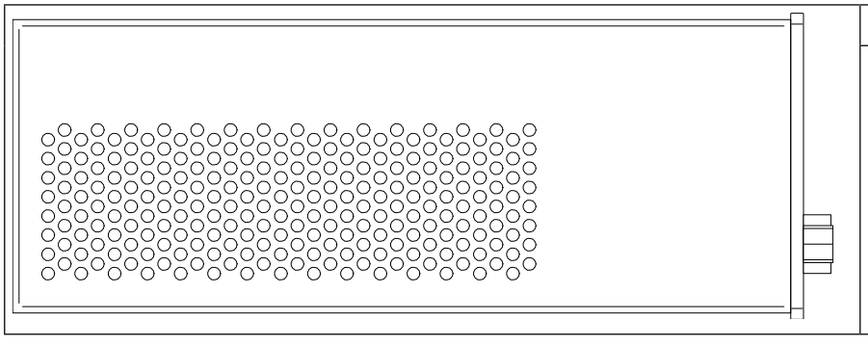
Devices with LTE (4G) module	
Type MDH 850 MDH 855 MDH 859	Equipment features 2 x SMA connector for GSM antenna (MIMO)

RA70SR4A02V1S0D6 (MDH 850 US); RA70SR4E02V1S0D6 (MDH 850 EU);
RA70SR4A11V1S0D6 (MDH 855 US); RA70SR4E10V1S0D6 (MDH 855 EU);
RA70SR4A00V1S0D6 (MDH 859 US); RA70SR4E00V1S0D6 (MDH 859 EU)



Devices with Wi-Fi module	
Type MDH 811 MDH 831 MDH 841	Equipment features 1 x RP-SMA connector for Wi-Fi antenna

RA70SR0W02V1S0D6 (MDH 811); RA70SR0W11V1S0D6 (MDH 831);
RA70SR0W00V0S0D6 (MDH 841)



Devices without any module	
Type MDH 816 MDH 835 MDH 871 MDH 876	

RA70SR0000V0S0D6 (MDH 816); RA70SR0011R0S0D6 (MDH 835)
RA70SR0002V1S0D6 (MDH 871); RA70SR0011V1S0D6 (MDH 876)

Function / status LEDs

LED	Colour	Status	Description
Fc1	**orange**	flashes	(**1 Hz**) Data received at COM1
	green	flashes	(**1 Hz**) Data transmission to COM1
		flashes (**5 Hz**)	***SIMPLY.connect*** * ready and **disabled** This function is only available if the device is set to its factory settings
		on	***SIMPLY.connect*** * ready and **activated** Activation takes place by pressing the **FCT** button
Fc2	**orange**	flashes	(**1 Hz**) Data received at COM2
	green	flashes	(**1 Hz**) Data transmission to COM2
Fc3	**orange**	off	GSM devices: no reception
		flashes	(**1 Hz**) GSM devices: == 20% - 50%
	green	off	GSM devices: reception depending on Fc4
		lights up	GSM devices: (+ Fc4 green) == 71% - 100%
Fc4	**orange**	off	GSM devices: no reception
		flashes	(**1 Hz**) GSM device: (+Fc3 orange) == 51% – 70%
	green	off	GSM device: reception depending on Fc3
		on	GSM device: (+Fc3 green) == 71% – 100%
		flashes	During the activation phase of the ”Edge IIoT license” the LED Fc4 flashes (3 Hz fast)
			After completion of activation Fc4 flashes at a frequency of 1.5 Hz (slow)

****SIMPLY.connect*** is a web application that helps you to set up a device in the **R**emote **S**ervice **P**ortal ***RLConnect24***.

To activate the function, press the **FCT** button until Fc1 lights up.

If you do not want to use ***SIMPLY.connect***, simply ignore the flashing LED Fc1.

More information is available at: https://www.redlion.net/remote-access-software

LED	Colour	Status	Description
Rdy	**orange**	off	Waiting for Bootloader or Signature successfully checked
		on	Check Signature, loads kernel
	green	off	Waiting for kernel
		flashes	(**1 Hz**) Loads rootFs
		on	Boot process completed The device is ready for use
Con	**orange**	on	Internet connection established + VPN connection started
		flashes	(**1.5 Hz**) VPN connection is established
	green	off	No Internet connection
		flashes	(**3 Hz**) Internet connection is being made
		on	Internet connection is established
Pwr	**green**	off	The power supply to the router is interrupted / the router is not connected to the power supply
		on	Power supply is connected to the terminal block and switched on
Stat	**red**	flashes	(**1 Hz**) Error in the error memory
		on	Found fault The error type can be viewed on the WebGUI of the router under **System> Info> "Last error message"**
	green	on	In connection with the portal ***RLConnect24***: User is connected to the device

Interfaces and buttons

Label	Status	Description
WAN	–	Router WAN port (customer network, DSL modem ...)
WAN-LED	LED green lights	Network connection available
	LED flashing orange	Network data transfer active
LAN 1 - 4	–	Local network ports (e.g. machine network)
LAN-LED 1- 4	LED green lights	Network connection available
	LED flashing orange	Network data transfer active
USB	–	Portable USB drive port
COM1	–	COM1 port for connecting to devices with RS232 / RS485, RS422 interface
COM2	–	COM2 port is for either connecting to devices with MPI interface or to devices with RS232 / RS485, RS422 interface This depends on your device type
FCT (Function)	–	This button a) establishes an Internet or VPN connection **or** b) activates the ***SIMPLY.connect*** function, when LED Fc1 is flashing (5 Hz)
Reset	–	Pushing this button restarts the router (so-called cold start)

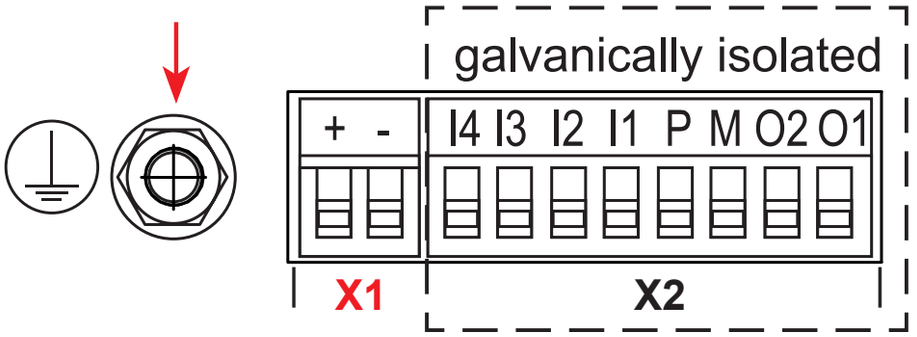
This page intentionally left blank.

8 First Time Operation

For routers with cellular or Wi-Fi modems, connect an antenna to and insert a SIM card.

CAUTION / ATTENTION
Router must be properly connected to a power supply before connecting the router to a network or PC. Otherwise, it may cause damage to other equipment. Le routeur doit être correctement raccordé à une source d'alimentation avant d'être connecté à un réseau ou à un PC. Dans le cas contraire, il risque d'endommager d'autres équipements.

1. Connect equipotential bonding to the grounding lug on the router's top panel.



2. Connect the 10-30 VDC power supply to the **X1** terminal of the router.

NOTICE / AVIS
Ensure that that polarity is correct. Veillez à ce que la polarité soit correcte.

3. Turn on the supply voltage and ensure the Pwr LED lights up and the device performs a system check.
4. After 90 seconds, both Pwr and Rdy LEDs will light up and Fc1 LED will flash green (5 Hz).

The router is now ready to be connected to the internet.

First time operation - continued

1. Connect an Ethernet cable to the WAN port.
2. The flashing green Con LED indicates the router is attempting to connect to the internet.

NOTICE
The WAN port is configured as a DHCP client by default. When a DHCP server is present, the WAN port will obtain its IP address from the server. When a DHCP server is not present, the WAN port must be statically assigned.

9 Initial Configuration

Requirements

- A user account on the Remote Service Portal (RSP) ***RLConnect24***. If your organization does not have a ***RLConnect24*** Customer Account, you can register for your account at **https://rsp.redlion.net**. If you do not have a user account on your organization's ***RLConnect24*** portal, contact your system administrator.
- A Windows PC with remote client software ***RLAccess*** installed.***RLAccess*** offers the ability to create a VPN connection into a remote site sitting behind a router. The latest version of ***RLAccess*** can be downloaded at **www.redlion.net/portfolio/secure-remote-access-platform**.

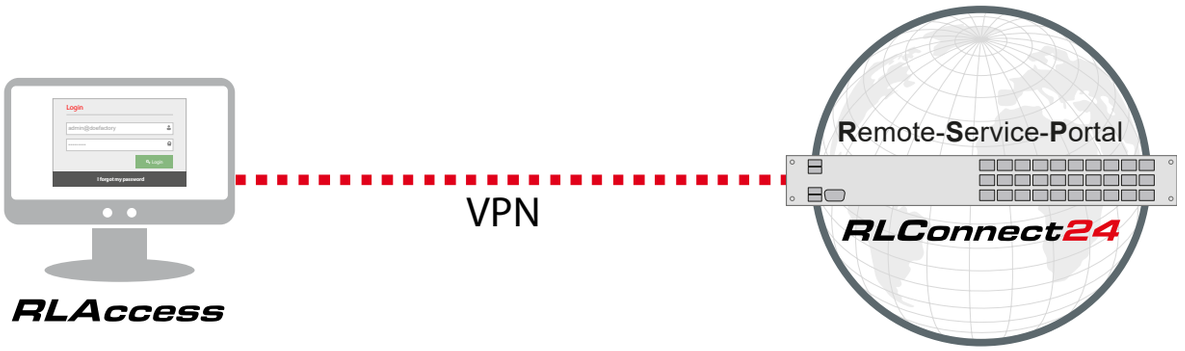
Procedure Overview

1. Open a web browser and log into the portal at **https://rsp.redlion.net**.
2. Create the router configuration file.
3. Transfer the router configuration from the portal to the router.
4. Connect the router to the portal and configure the remaining configuration parameters from the portal.

9.1 Initial configuration via *RLConnect24*

9.1.1 Login *RLConnect24*

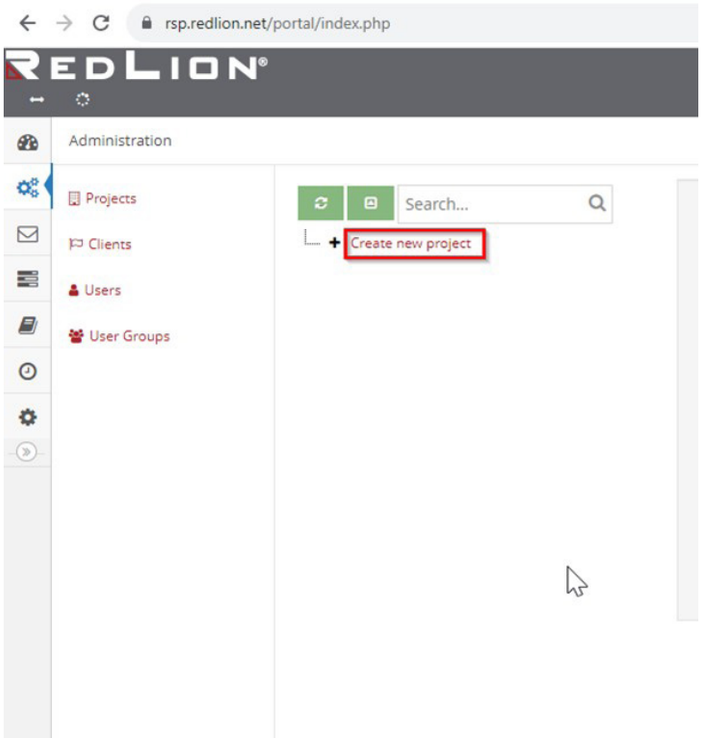
Open a web browser and log into the portal at **https://rsp.redlion.net**.



9.1.2 Creating a project

On the ***RLConnect24*** home page, navigate to the Administration tab. Select the Projects section.

In the Projects overview section, select Create new project, and assign the project a name. Click the Save button.



9.1.3 Create a device

Navigate to the Administration tab. Select the Projects section.

In the Projects overview section, select the name of the project you would like to modify.

On the selected project's page, click the + icon and select Create new device from the dropdown menu.

In the Device tab, select your Device Type from the dropdown menu, and enter a unique device Name in the field. Click the Next button.

NOTICE
The Device Type can be found on the label of the router.

On the device's page in the Interfaces section, define the following categories by selecting the Edit icon. When configurations are satisfied, click the Next button.

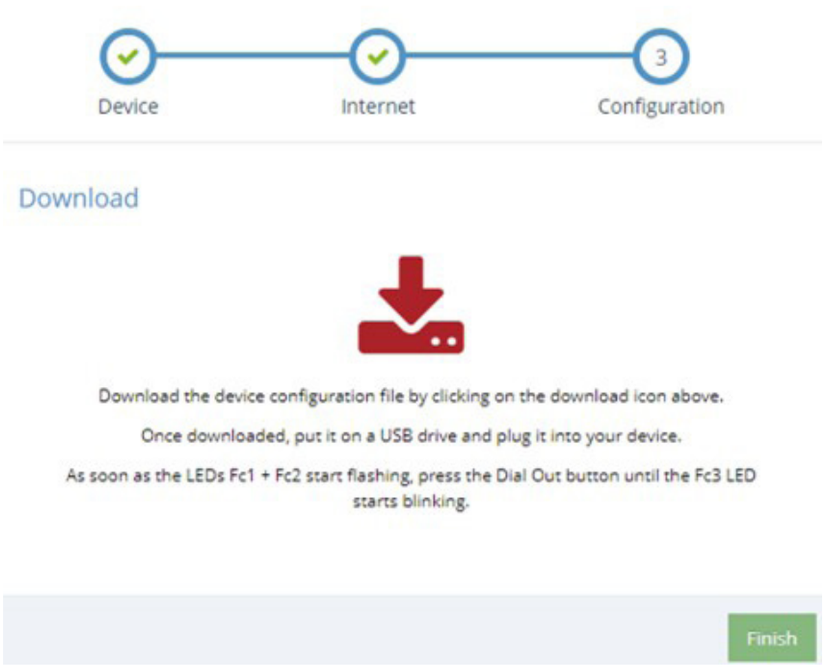
WAN	IP and Netmask addresses for how the router connects to the internet.
Internet	External Router for wired connections.
Modem	Cellular capable routers.
Wi-Fi	Wi-Fi capable routers.

Click the red Download icon to download the device configuration file.

Download the configuration file to a USB drive. The USB drive must be formatted to FAT32.

NOTICE
The downloaded configuration file "mbconnect24.mbn" must not be renamed and must be in the root directory of the USB stick.

WARNING
The configuration file contains sensitive information that should be deleted after use.



9.1.4 Transfer configuration to the Remote Access Router

NOTICE

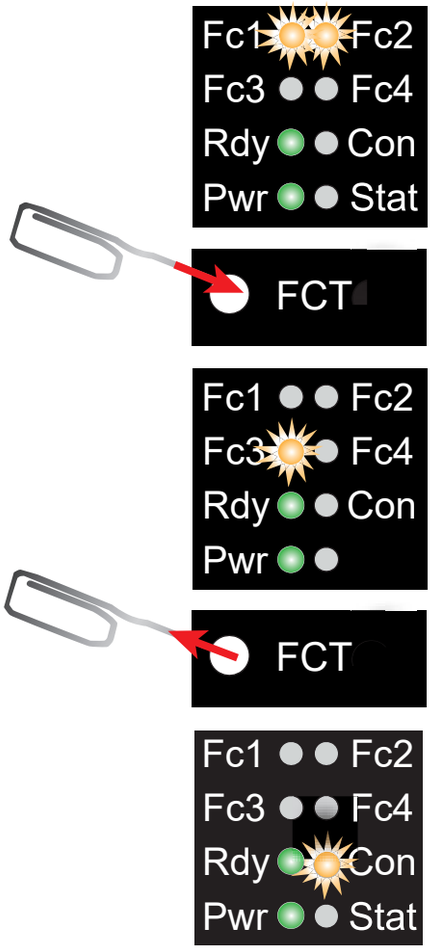
You have 10 seconds after the router recognizes the USB drive to press the FCT button on the router. If you miss this window, disconnect the USB drive from the router, power cycle the router, and try again.

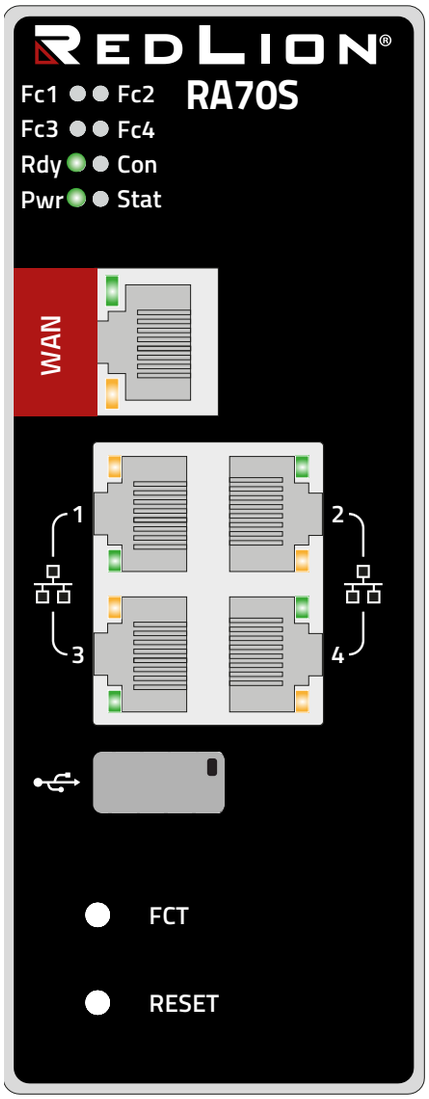
When the LEDs Fc1 and Fc2 start flashing on the router, press the FCT button until the Fc3 LED starts blinking. Release the FCT button.

When the router connects to the portal, the Con LED will blink yellow.

When the flashing frequency of the Con LED is 3 Hz, the device is attempting to log into the portal. When the login has been successful, the flashing frequency is reduced to 1.5 Hz.

More information is available at **www.redlion.net/portfolio/secure-remote-access-platform**.





10 Access the Web Interface of the Remote Access Router

On the web interface of the ***router*** a Status page and a Diagnostic page are available.

On the **Status** page, five steps with additional information are displayed, which must be run through when connecting the ***router*** to the portal.

The **Diagnostic** page helps you in case of a failed connection establishment in troubleshooting.

Requirements:

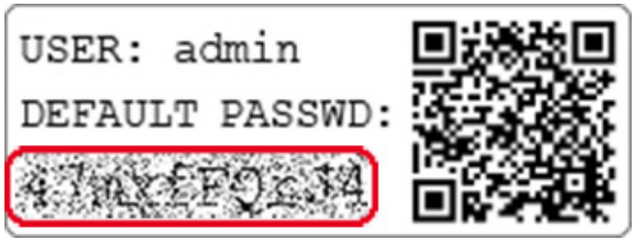
- The configuration PC and the ***router*** must be in the same IP address range.
  Depending on the LAN IP that you assigned to the device in the portal, you may need to assign the configuration PC to the same address range.
  If you assigned the ***router*** e.g. the LAN IP 192.168.2.200, you need the configuration PC to assign the same address range (192.168.2.X). This applies to both the IP address and subnet mask.
- The ***router*** must be accessible via the LAN interface of the configuration PC.

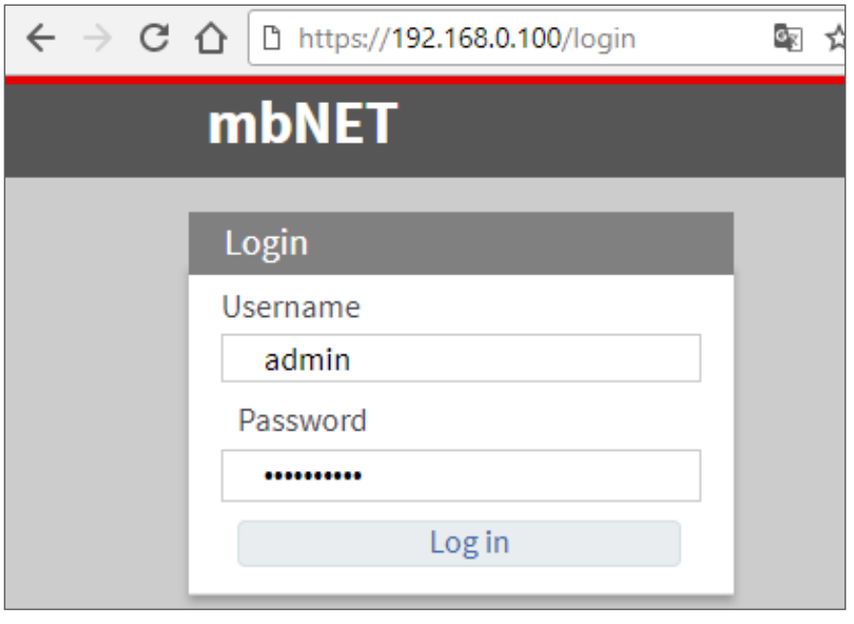
Start a browser and enter the LAN IP you have assigned in the portal to the ***router***.

To log on to the ***router*** enter the following data:

Username: admin

Password: The default password is located on the back of the device.





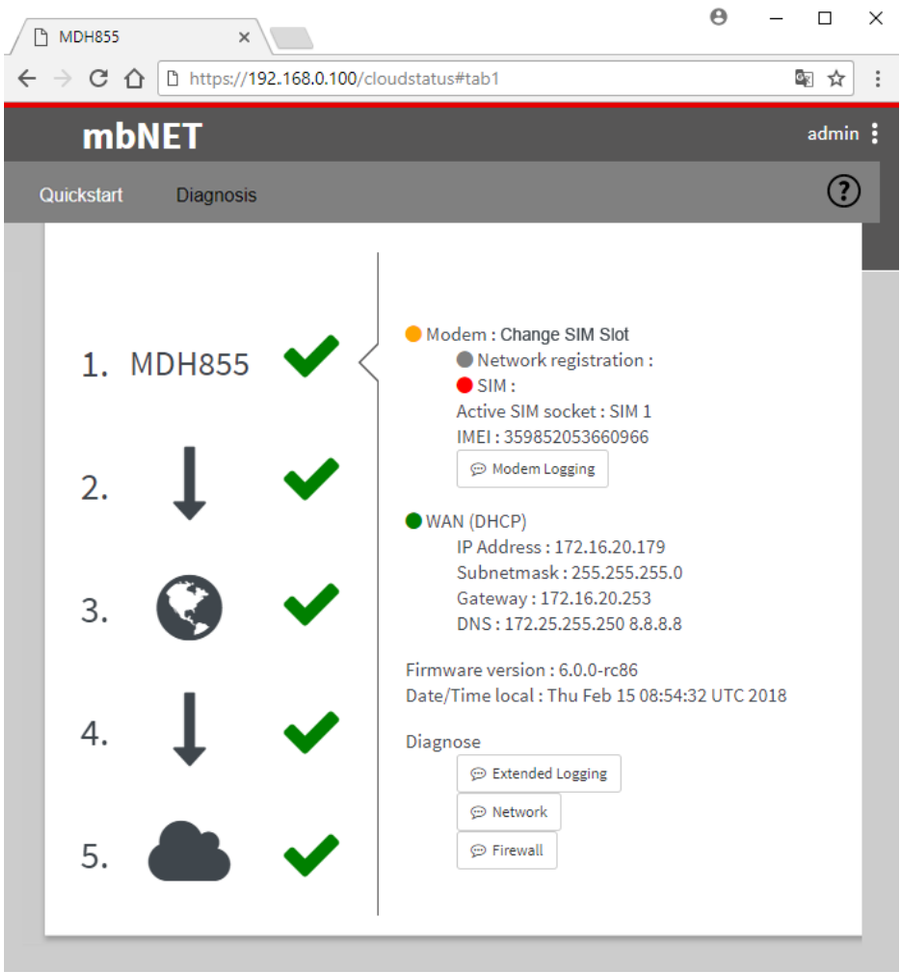
10.1 Quick Start

After a successful login you will see in the Quick Start menu the device state.

Here, five steps are displayed that are required so that the device can connect to the portal.

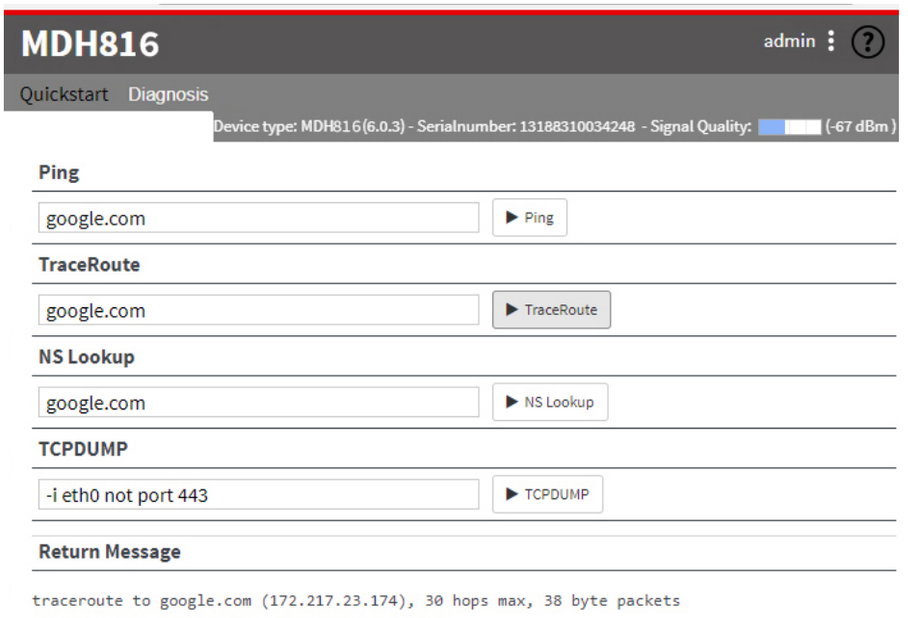
Click on the icon to the right of each progress to get details / information about this step.

If all five steps have been completed successfully, the ***router*** is connected to the portal ***RLConnect24***.



10.2 Diagnostics

In case of a failed connection setup, the Diagnostic page provides support for troubleshooting.



11 Factory Settings On Delivery

The ***router*** is delivered with the following factory settings:

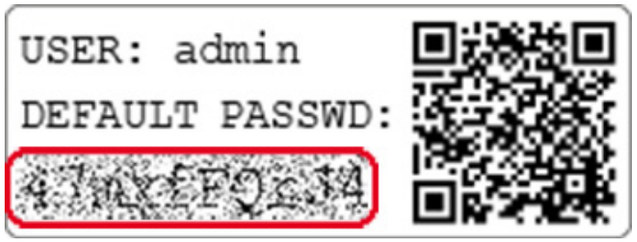
IP address 192.168.0.100

Subnet mask 255.255.255.0

Username admin

Password The default password is located on the back of the device.

ADVICE:
Upon first login, please change the default login information!



NOTICE

Keep the device default password in a safe place. You need the default password during the initial configuration and after loading the factory settings.

12 Loading The Factory Settings

NOTICE
Before you configure the device to its factory defaults, you should note the following: • Save your configuration first. After restoring the factory defaults, all of your settings/changes will be deleted. • The IP address of the device is reset to the original IP address (192.168.0.100). • You may also need to modify the network settings of the configuration PC accordingly. • The device password is reset to its individual default password. The default password can be found on the back of the unit. • No USB stick/storage medium should be connected to the device.

Execution:

1. Switch on the router or press the **Reset** button.
2. Wait until the LED **Rdy flashes green**.
3. Press and hold the **FCT** button until LED **Fc4 is lit**.
4. Press the **FCT** button again => LED **Fc3 lights** up.
5. Repeat step 4. => LED **FC2 lights** up.
6. Press the **FCT** => button one last time, after approximately 10 - 20 sec.
   LED **Fc3 flashes**.

When both the Pwr and Rdy LEDs light up and the Fc1 LED flashes* (5Hz), the router is reset to its “factory settings at the time of delivery” and can/must be reconfigured.

* only for devices with ***SIMPLY.connect*** function.

13 Technical Data (extracts)

Performance data	
Voltage V (DC)	10 – 30 V DC (external Power Supply or other SELV Power Supply Source, rated 10-30 V DC, max. 40 A)
Power consumption	max. 500 mA @ 24 V
IP protection class	IP 30 *
Area of application	Dry environments
Operating temperature	-40 – +75 °C
Storage temperature	-40 – +85 °C
Humidity	0 – 95% (non condensing)

* At full occupancy of all connections and interfaces.
Alternatively, unused interfaces can be covered with dust protection plugs.

I/Os and standard interfaces	
Digital inputs	4 pcs. digital inputs, 10 – 30 V DC (galvanically isolated), (Low 0 - 3.2 V DC, High 8 - 30 V DC)
Digital outputs	2 pcs. digital outputs, 10 – 30 VDC (galvanically isolated), max. 1.5 A / output
LAN interfaces	4 pcs. 10/100 Mbit/s full and half duplex operation, autodetection patch cable / crossover cable
USB interface	USB Host 2.0
eMMC storage	8 GB

Communication

Devices with **LTE (4G)** modem - **EU** (MDH 850 EU, MDH 855 EU, MDH 859 EU), from hardware version **HW 06**	
Target region	EMEA
GSM/GPRS/EDGE	900 (B8), 1800 (B3) MHz; max. 236 kbps
HSxPA	900 (B8), 1800 (B3), 2100 (B1) MHz; Downlink max. 42 Mbps, Uplink max. 5,76 Mbps
LTE	800 (B20), 900 (B8),1800 (B3), 2100 (B1), 2600 (B7), 700 (B28A) MHz; Downlink max. 150 Mbps, Uplink max. 50 Mbps
RF parameters	
Output power (typical) 2G: LB: 33 dBm; HB: 30 dBm 3G/TD-SCDMA: 24 dBm 4G (FDD & TDD): 23 dBm @1RB	**Sensivity** (typical) -108 dBm @ 2G -113.5 dBm @ 3G -103 dBm @ 4G FDD (BW=5 MHz)
TAC	35162610

Devices with **Wi-Fi** module (MDH 811, MDH 831, MDH 841) from hardware version: **HW 06**	
Wi-Fi	IEEE 802.11b/g/n
Frequency bands	2.4 GHz, channel 1 - 13* (2.412 GHz - 2.472*)
Channel bandwidth	20 MHz
Data rates	802.11b: 1, 2, 5.5 and 11 Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48 and 54 Mbps 802.11n: MCS0-MCS7 (max 72.2Mbps)
Hardware supported Encryptions/Decryption	AES/CCMP, AES/CMAC, WAPI, WEP/TKIP
Max. output power	19 dBm EIRP**
Max. sensitivity	-97 dBm EIRP**
FCC	FCC ID: XPYLILYW1 IC: 8595A-LILYW1
IC	IC: 8595A-LILYW1

Devices with **LTE (4G)** module - **US** (MDH 850 US, MDH 855 US, MDH 859 US) **from** hardware version **HW 06**	
Target region	North America Cellular Carriers
HSxPA	1900 PCS (B2), AWS (B4), 850 (B5) MHz; Downlink max. 42 Mbps
LTE	700 Lower (B12), 700 PS (B14), AWS (B4), 1900 PCS (B2), 850 (B5), 700 Upper (B13), AWS-3 (B66), 600 (B71) MHz; Downlink max. 150 Mbps, Uplink max. 50 Mbps
RF parameters	
Output power - typical values for max output level > 2G: LB 33 dBm; HB: 30 dBm > 3G/TD-SCDMA: 24dBm > 4G (FDD & TDD): 23dBm @1RB	**Sensitivity** - typical sensitivity levels > -108 dBm @ 2G > -113.5 dBm @ 3G > -103 dBm @ 4G FDD (BW=5 MHz)
TAC	35034498; 35432809; 35604311
FCC	Contains FCC ID: RI7LE910CxNF

NOTICE
Device types MDH 850 US, MDH 855 US, and MDH 859 US bear no CE marking and may not be used or put into operation in the European economic area (EEA)!

SIMPLIFIED EU DECLARATION OF CONFORMITY

Red Lion declares that the radio equipment type MDH 811; MDH 831; MDH 841; MDH 850 EU; MDH 855 EU; MDH 859 EU is manufactured in compliance with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at **www.redlion.net**.

SIMPLIFIED UKCA DECLARATION OF CONFORMITY

Hereby, Red Lion declares that the equipment type MDH 811; MDH 831; MDH 841; MDH 850 EU; MDH 855 EU; MDH 859 EU is in compliance with the relevant statutory requirements. The full text of the declaration of conformity is available at the following internet address: **www.redlion.net**.

14 Technical Support

For technical support (FAQ, troubleshooting, most recent information, etc.) see our website www.redlion.net.

For support enquiries, always give the serial number of your router.

Support: support.redlion.net
Tel: Inside US: +1 (877) 432-9908 | Outside US: +1 (717) 767-6511

15 Disposal

In the interests of environmental protection, final holders must collect old devices separately from unsorted municipal waste at the end of their service life.

Old batteries and accumulators that are not enclosed by the old device, as well as lamps that can be removed from the old device without destroying them, must be separated from the old device in a non-destructive manner before they are handed over to a collection point.

The final holder is responsible for deleting personal data on the old devices to be disposed of.

Red Lion Europe offers the possibility of returning and disposing of old devices.
Details can be found at www.mbconnectline.com/disposal.

Do not dispose of old devices into household waste! 

Only for EU countries:
Dispose of the device in accordance with the Waste Electrical and Electronic Equipment Directive 2012/19/EU - WEEE.

RED LION®
www.redlion.net

PROG. CNTLR.
E482663