



# User Manual

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## Standalone Remote Management Unit

Ref. 8751



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# 1. INTRODUCTION

## Product description

The Standalone Remote Management Unit (RMU) enables you to remotely configure and monitor a specific headend installation. This drastically reduces on-site maintenance, saving you time and money. The RMU is a very smart and powerful solution that connects with uCloud ([www.ucloudserver.com](http://www.ucloudserver.com)), a server hosted by UnitronGroup. The UUI tool that runs on this server enables you to connect to any of your installations with any PC or Internet-connected device.

- wall-mountable module
- very simple installation (plug-and-play)
- no network knowledge needed
- very cost-efficient solution for remote monitoring and alarming
- compatible with Titanium




## Package contents

- 1x RMU (ref. 8751)
- 12V 1A wall adapter

## **Safety Instructions**






**Read these instructions carefully before connecting the unit**

-  To prevent fire, short circuit or shock hazard:
  - Do not expose the unit to rain or moisture.
  - Install the unit in a dry location without infiltration or condensation of water.
  - Do not expose it to dripping or splashing.
  - Do not place objects filled with liquids, such as vases, on the apparatus.
  - If any liquid should accidentally fall into the cabinet, disconnect the power plug.
  
-  To avoid any risk of overheating:
  - Install the unit in a well aery location and keep a minimum distance of 15 cm around the apparatus for sufficient ventilation
  - Do not place any items such as newspapers, table-cloths, curtains, on the unit that might cover the ventilation holes.
  - Do not place any naked flame sources, such as lighted candles, on the apparatus
  - Do not install the product in a dusty place
  - Use the apparatus only in moderate climates (not in tropical climates)
  - Respect the minimum and maximum temperature specifications
  
-  To avoid any risk of electrical shocks:
  - Connect apparatus only to socket with protective earth connection.
  - The mains plug shall remain readily operable
  - Pull out power plug to make the different connections of cables
  - To avoid electrical shock, do not open the housing of adapter.



**Maintenance**

-  Only use a dry soft cloth to clean the cabinet.
-  Do not use solvent
-  For repairing and servicing refer to qualified personnel.



**Dispose according your local authority's recycling processes**

## 2. INSTALLATION OF THE HARDWARE

Install the unit in a well aery location and keep a minimum distance of 15 cm around the apparatus for sufficient ventilation.

Power the RMU with the power supply and connect it to a Titanium with an Ethernet cable.

### Status LED (2 COLORS)

After powering the RMU, the LED will follow a sequence of colors.

It begins with blinking red → UI not started up and not connected to the cloud.  
 In less than 1 minute the LED turns solid red → connected to server but UI not started up.  
 After 3 minutes the LED turns solid green → UI started up and connected to the cloud.  
 Now the RMU is ready to use.

There are 4 different states:

	UI active	UI not active
CONNECTED TO THE CLOUD	Solid Green	Solid red
NOT CONNECTED TO THE CLOUD	Blinking green	Blinking red

### Reset Button

- Push the reset button firmly for 3 seconds → Restart with IP release, slow red blinking of Alarm LED
- Push the reset button firmly for 10 seconds → Factory and IP reset, fast red blinking of Alarm LED

### Conditions to make a successful connection

You need an internet connection at both locations (the RMU and your PC). Ask the IT-administrator in case a remote connection does not work (status LED is blinking): Firewall at the RMU location must allow incoming traffic from ports 80&443 (http and https) and port 22 (SSH). Any outgoing ports can be blocked.

### Connecting to the RMU

Connection to the RMU can be made from different locations:

- If you have internet on your pc and the RMU you can connect using the remote access platform "uCloud". To connect to the RMU open your web browser and go to the URL: <https://www.ucloudserver.com>. If this is the first time you are using the remote access platform you will need to create an account. From there on, you are able to create new locations (new installations) and manage all your existing locations from a single remote connection.

- If you don't have an internet connection you will need to connect both your pc and the RMU to the same network. To connect to the RMU open your web browser and go to <http://rmu:8888> or the URL <http://<RMUIPAddress>:8888> (change <RMUIPAddress> to the IP of your RMU). The default username is "admin" with the password "UUI". If you connect without internet you can use the UUI but can't use the "uCloud".

### 3. USING UCloud

1. Go to <https://www.ucloudserver.com/>
2. Create an account and log in
3. When logged in, click "Digital Modular Headend"
4. Add your remote system by clicking on "+ New" on the left side of the menu
5. Fill in the system details and the RMU key, click create to continue.
6. When the location is connected, it will appear in the left side of the menu.
7. To have remote access and control, click on the location, then click on "Connect" in the top right corner of the menu. This will open as a pop-up screen or a new tab.

## 4. TECHNICAL SPECIFICATIONS

8751 – RMU		
GENERAL		
Dimensions	Mm	222 x 142 x 50
Operating Temperature	°C	0 to +50
Power supply voltage	VDC	12
Consumption	A	0,2
User interface	-	UUI <a href="http://www.ucloudserver.com">www.ucloudserver.com</a>
ETHERNET OUTPUT		
Connector	-	RJ-45
Standard	-	Ethernet 10/100/1000Base-T
Version	-	IPv4 (IPv6 ready)
Mode	-	Full-duplex
Protocols	-	ARP, ICMP, TCP/IP, HTTP, FTP, DHCP

## 5. CONDITIONS OF WARRANTY

Unitron N.V. warrants the product as being free from defects in material and workmanship for a period of 24 months starting from the date of production indicated on it. See note below.

If during this period of warranty the product proves defective, under normal use, due to defective materials or workmanship, Unitron N.V, at its sole option, will repair or replace the product. Return the product to your local dealer for reparation

### **THE WARRANTY IS APPLIED ONLY FOR DEFECTS IN MATERIAL AND WORKMANSHIP AND DOES NOT COVER DAMAGE RESULTING FROM:**

- Misuse or use of the product out of its specifications.
- Installation or use in a manner inconsistent with the technical or safety standards in force in the country where the product is used
- Use of non-suitable accessories (power supply, adapters...).
- Installation in a defect system.
- External cause beyond the control of Unitron N.V. such as drop, accidents, lightning, water, fire, improper ventilation...

### **THE WARRANTY IS NOT APPLIED IF**

- Production date or serial number on the product is illegible, altered, deleted or removed.
- The product has been opened or repaired by a non-authorized person.

### **NOTE**

Date of production is YYWW format, example 1447 = year 2014 – week 47.  
For the serial number barcodes, the date corresponds to the 4 first numbers



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