

user
manual

Sat>IP

9830



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Unitron can not be held liable for any damages resulting from the use of this product.

Specifications are subject to change without notice. 12/13

© Unitron - Frankrijklaan 27 - B-8970 Poperinge - Belgium

T +32 57 33 33 63 **F** +32 57 33 45 24

email sales@johansson.be

www.johansson.be - www.unitrongroup.com

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1 INTRODUCTION

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.
- The unit must not be exposed to any source of heat (sun, heater,...).
- 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 climats (not in tropical climates).
- Respect the minimum and maximum temperature specifications.



To avoid any risk of electrical shocks:

- Connect the unit 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 the adapter.



Maintenance



Only use a dry soft cloth to clean the cabinet.



Do not use any solvent.



For repairing and servicing refer to qualified personnel.



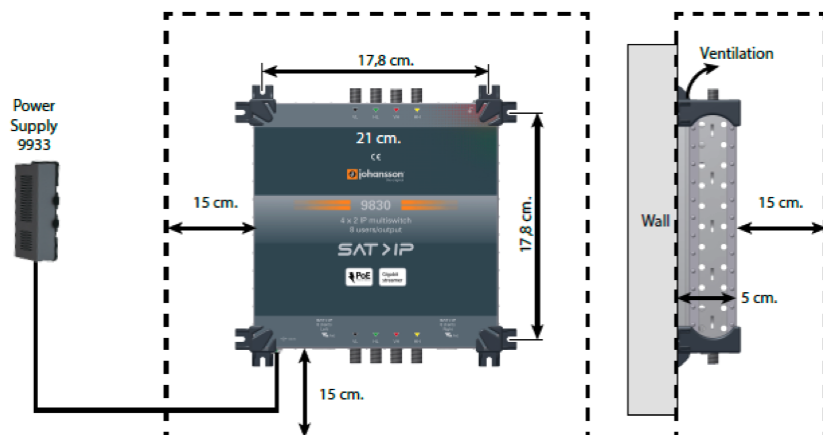
Dispose according your local authority's recycling processes

PRODUCT DESCRIPTION

- SAT>IP enables you to watch satellite TV on your smart phones, tablets, PC and also on your standard TV as well as smart TV.
- 4 LNB inputs for Quattro or Quad LNB.
- 4 Trunk outputs for cascading with any type of Multiswitch, as well in new or existing installations.
- 2 IP output ports, each supporting up to 8 independent users on a Gigabit network.
- Streams: satellite TV (SD and HD) and radio over IP.
- To power the product:
 - o The product itself is powered by Power over Ethernet (PoE)
 - o Separate LNB power through the DC jack if necessary

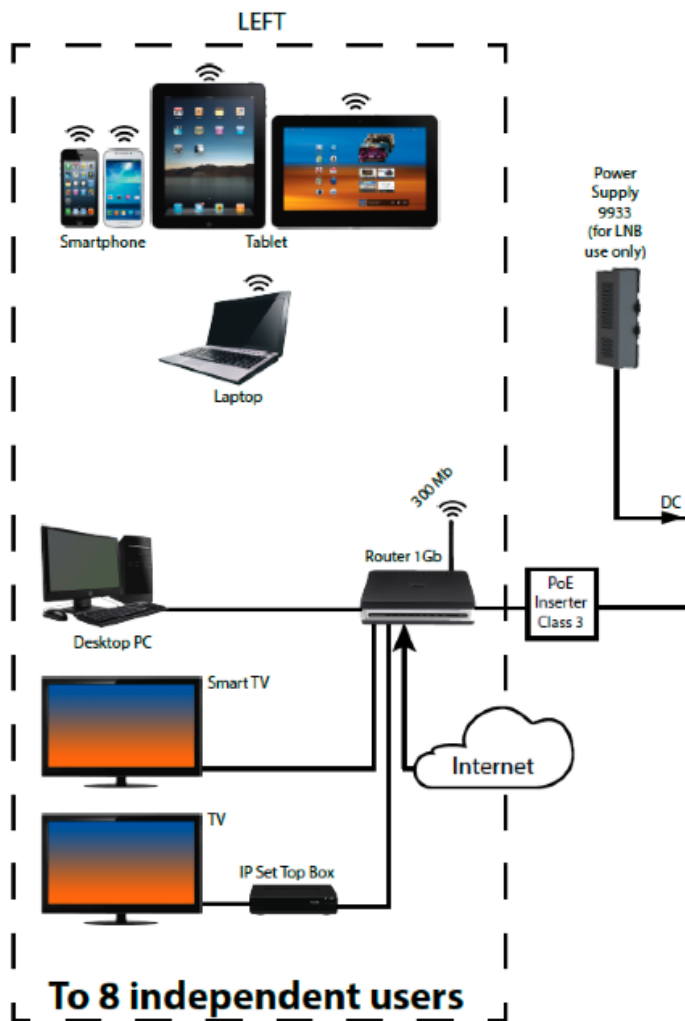
2 INSTALLATION OF THE HARDWARE

MOUNTING



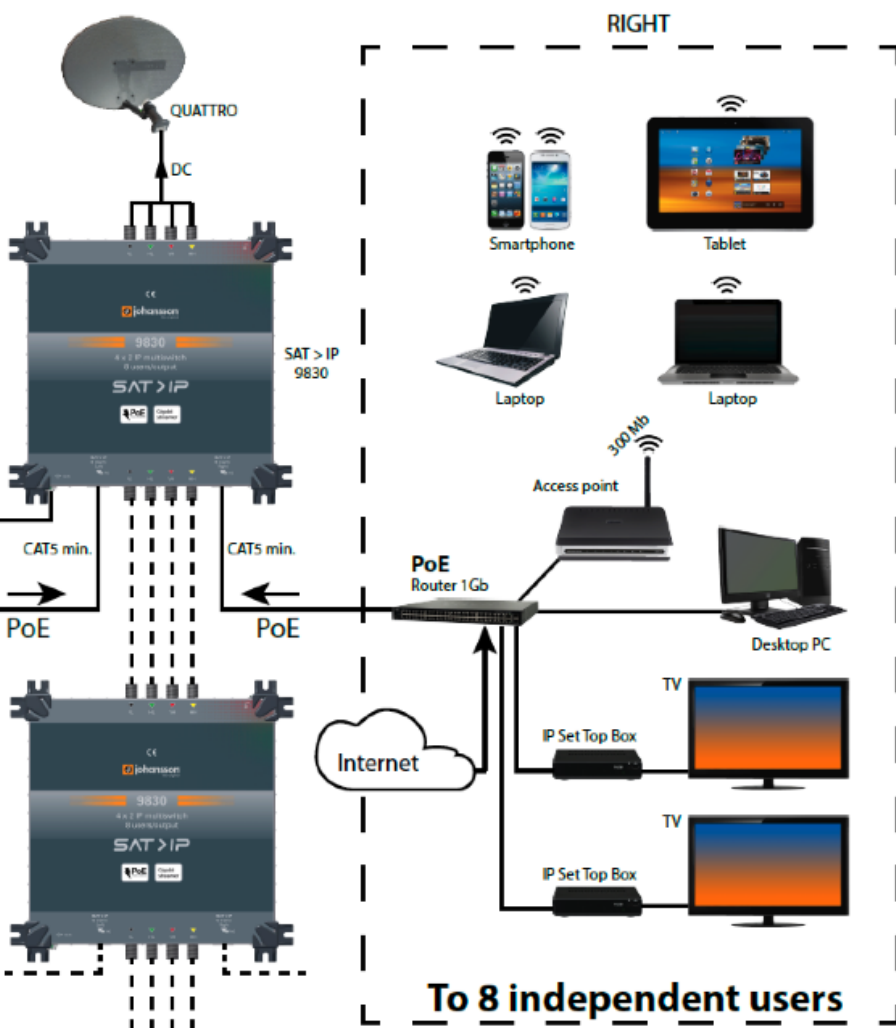
HARDWARE INSTALLATION

The example is based on two homes with each 8 independent users.



The left side is an example with a one Gigabits router **without** power over Ethernet (PoE).

In this case an extra PoE inserter is needed: minimum class 3.



The right side is with a one gigabit router with power over Ethernet (PoE).

Minimum requirements are 100 Megabit. 1Gigabit router is preferred if using HD channels. For the Wi-Fi access point it is preferred to have 300 Megabit/s.

ACCESSORIES

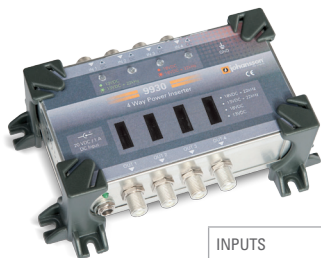
1. If the LNB is not already powered: (optional)
 - a. Johansson 9933 for powering a Quattro LNB
 - b. Johansson 9930 for powering a Quad LNB
2. 2 x Ethernet cable: min Cat 5 (Maximum length 100m)
3. One or two times:
 - a. Power over Ethernet switch (1Gbps) + an access point (WLAN 300Mbps)
 - b. Router (1Gbps) with 300Mbps Ethernet + Power over Ethernet inserter. Min power=13W=class 3.
4. Set-top box is required for each TV, not necessary if the TV support SAT>IP.
5. If PoE is present, the LED on the RJ45 connector will light up permanently. The LED flashes when there is communication.
 - a. Green LED = 1Gigabit/s.
 - b. Orange and green LED = 100Mbit/s
 - c. Orange LED = 10Mbit/s is possible but not advised.
6. Software App for each portable user and desktop user (clients).
<http://www.satip.info/products>
Go to SAT>IP CLIENTS

3 HOW TO START UP?

- The 9830 obtains its IP address automatically.
- Check your WI-FI connection.
- Download the desired app <http://www.satip.info/products>
Go to SAT>IP CLIENTS. It will detect the SAT>IP server automatically.
The 9830 is capable of streaming HD on PC, Smart TV and STB.
Tablets and smart phones will not support HD due to decoding and bandwidth limitations.
- Follow the instructions of the app.
 1. Select the device in "settings".
 2. Select your country and the satellite to which the product is connected.
 3. Scan the selected satellite. (This can take 15 min.)
Channel list can be downloaded if you have internet connection.
(Not for all Apps)
 4. Select the channel to watch.

4 TECHNICAL SPECIFICATIONS

9830		
SAT INPUTS/OUTPUTS	-	4/4
FREQUENCY	MHz	950-2150
OUTPUTS	-	2 x RJ45 100/1000 Ethernet port
PROTOCOL	-	SAT>IP V1.2 compliant
SATELLITE FRONTENDS	-	2 x 8 DVB-S(2)
USERS/OUTPUT	-	8
ADDRESSING	-	DHCP/AUTO-IP
MAX. INPUT LEVEL	dB μ V	99
MIN. INPUT LEVEL	dB μ V	49
TRUNK LOSS	dB	2,5
RETURN LOSS IN/OUT	dB	>10
POE POWERED DEVICE (PD) CLASS	-	PD class 3
MAX.POE CONSUMPTION ON EACH OUTPUT PORT	W	8
OPERATING TEMPARTURE	°C	0 to +50
DIMENSIONS	mm	210 x 210 x 50



Power Inserter » REF. 9930/9930UK

For use with Quad LNB

9930		
INPUTS		4
FREQUENCY RANGE		5 - 2150
INSERTION LOSS		< 1,5
ISOLATION BETWEEN PORTS		> 35
RETURN LOSS		> 10
CONTROL SIGNALS		switchable : 13/18/13 + tone/18 + tone
ADDED POWER SUPPLY ADAPTER		20V - 1A
DIMENSIONS		158 x 102 x 51



Power Supply » REF. 9933

LNB powering

9933/9933UK		
AC INPUT		230 V/50 Hz
DC OUTPUT		15
MAX. OUTPUT/ CURRENT		
CONNECTOR		
DIMENSIONS		176 x 71 x 47

5 CONDITIONS OF WARRANTY

PERIOD 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-authorised person.

NOTE

Date of production is YYWW format, example 1310 = week 10, 2013.
For the serial number barcodes, the date corresponds to the 4 first numbers.



www.unitrongroup.com

UNITRON NV
Frankrijklaan 27
B-8970 Poperinge
Belgium

T +32 57 33 33 63
F +32 57 33 45 24

sales@johansson.be
www.johansson.be