

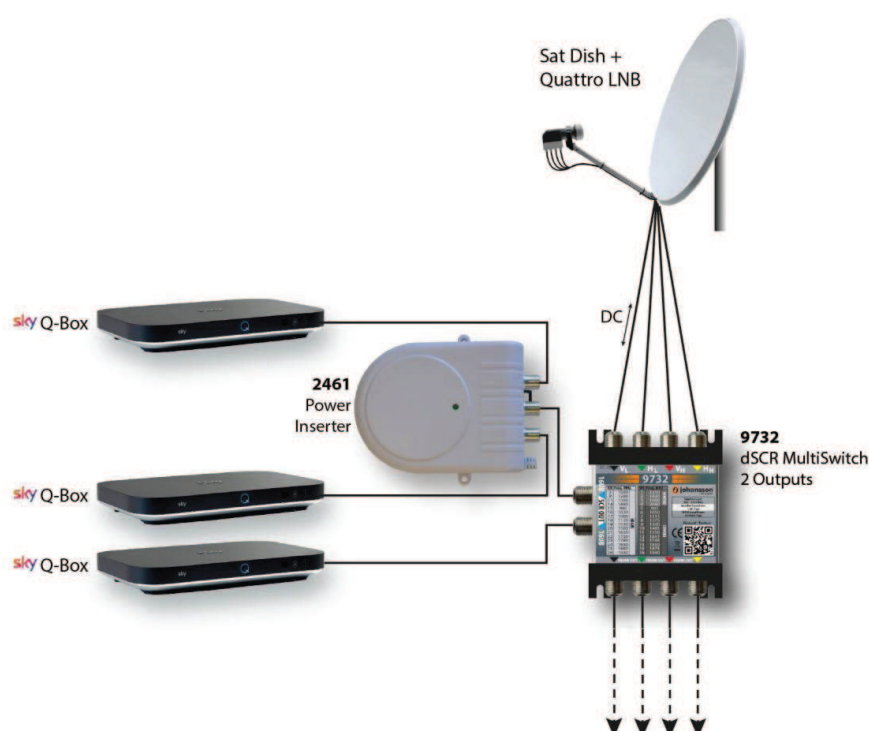
Alimentatori per multiswitch *Power supplies for multiswitches*

art. 15-711
ALIM 0,5 A/2

Powersupply with integrated 2-way smart splitter (Ref. 2461)

2461 User Manual v1.0

1. INSTALLATION OF THE HARDWARE



The powersupply is designed to power the dSCR output, in case the STB can not provide enough DC power. See diagram above for a typical installation.

The powersupply will overrule the DC coming from the STB and supply the dSCR with a constant 18V. Max supply current is 500mA. DiSEqC commands will be copied from STB to dSCR and back (in case of DiSEqC 2.0).

The integrated 2-way smart splitter enables you to connect 2 STBs to the same dSCR output port, while keeping the DiSEqC commands intact. More-over it prevents collision between both STBs.

The 2461 is compatible with

- Johansson refs. 9731, 9732, 974x, 974xSKY and 9775 (in SCR mode)
- STBs supporting the EN50494 and EN50607 standards

The 2461 is not compatible with Legacy STBs and STBs that keep the DC level on the coax at 18V, even if they don't send DiSEqC commands. This is f.i. the case with Sky UK STBs.



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2. TECHNICAL SPECIFICATIONS

Power Inserter 2461

| | | |
|----------------------|---|---|
| Compatible Protocols | - | EN50494, EN50607, Sky Italia DiSEqC 2.0 |
|----------------------|---|---|

| Power Supply | | |
|---------------------------------------|---|-------------------|
| Input voltage range | - | 100 - 240VAC 50Hz |
| Output voltage | - | 18V +/-5% @ 500mA |
| Max output current | - | 500mA |
| Overload and short circuit protection | - | Yes |
| Temperature range | - | 0-50°C |

| RF | | |
|----------------------------------|---|-----------------------------------|
| Insertion loss dCSS to STB (1&2) | - | 950 - 2150MHz : <6dB (typ, 5.5dB) |
| Return loss on all ports | - | 950 - 2150MHz : >10dB (typ >12dB) |
| Dimensions | | 110 x 94 x 41 mm |

3. 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



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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

4. 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



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- 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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UK

Safety Instructions

Read carefully the following safety instructions before connecting the unit! Observing and adhering to the safety instructions before and when using the product will help to prevent personal injury or damage of any kind caused by dangerous situations.

The product is used for its designated purpose if it is used in accordance with its product documentation and within its performance limits (see data sheet, product documentation and the following safety instructions enclosed with the product and/or available on <http://www.johansson.be>).

Electrical safety

If the information on electrical safety is not observed either at all or to the extent necessary, electric shock, fire and/or serious personal injury or death may occur.

The product should be operated only from a power source with an operating voltage as indicated on the nameplate of the housing.

Avoid any risk of electrical shocks !

- In the case of products with movable power cord and connector, operation is permitted only on sockets with an earthing contact and protective earth connection.
- Intentionally breaking the protective earth connection either in the feed line or in the product itself is not permitted.
- Pull out the power plug of the connecting cable to disconnect the product from the AC supply network.
- Never use the product if the power cable is damaged. Check the power cables on a regular basis to ensure that they are in proper operating condition. By taking appropriate safety measures and carefully laying the power cable, ensure that the cable cannot be damaged.
- Unless expressly permitted, never remove the cover or any part of the housing while the product is in operation.

Prevent fire, short circuit or shock hazard !

- For permanently installed equipment without built-in fuses, circuit breakers or similar protective devices, the supply circuit must be fuse-protected in such a way that any person who has access to the product, as well as the product itself, is adequately protected from injury or damage.
- Any object that is not designed to be placed in the openings of the housing must not be used for this purpose.
- The products are not liquid-proof. Therefore, the equipment must be protected against penetration by liquids. Do not expose the unit to rain, moisture, dripping or splashing. If any liquid should accidentally fall into the cabinet, disconnect the power.
- Install the unit in a dry location without infiltration or condensation of water.
- Do not insert the plug into sockets that are dusty or dirty and do not install the product in a dusty place. Insert the plug firmly and all the way into the socket provided for this purpose. Otherwise, sparks that result in fire and/or injuries may occur.
- Do not overload any sockets, doing so can cause fire or electric shocks.
- Do not place objects filled with liquids, such as vases, on the apparatus

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,...).



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- Do not place any naked flame sources, such as lighted candles, on the apparatus.
- Use the apparatus only in moderate climates (not in tropical climates).
- Respect the minimum and maximum temperature specifications.
- For permanently connected apparatus only. The installation shall be carried out in accordance with all applicable installation rules.

Repair and Maintenance

- The product may be opened only by authorized, specially trained personnel. Before any work is performed on the product or before the product is opened, it must be disconnected from the AC supply network.
- Adjustments and repair may be performed only by authorized, specially trained personnel. Only original parts may be used for replacing parts relevant to safety (e.g. power switches, power transformers, fuses). A safety test must always be performed after parts relevant to safety have been replaced.
- Only use a dry soft cloth to clean the cabinet. Do not use solvent.

| Symbol / Symbole Symbol / Simbolo Условное обозначение | Meaning / Bedeutung Signification / Betekenis Sensi / Significado Значение |
|---|---|
|  | Direct current (DC) / Gleichstrom (DC) Courant continu (DC) / Gelijkstroom (DC) Corrente continua (DC) / Corriente continua (DC) Corrente contínua (DC) / Постоянный ток (DC) |
|  | Ground / Masse La masse / Massa Massa / Tierra Terra ou massa / Заземление |
|  | Danger of electric shock / Gefahr von elektrischen Schlag Danger d'électrocution / Gevaar van elektrische schokken Pericolo di scosse elettriche / Peligro de descarga eléctrica Risco de choque elétrico / Опасность поражения электрическим током |
|  | Device fully protected by double (reinforced) insulation Gerät vollständig geschützt durch doppelte (verstärkt) Isolierung Appareil protégé par une double isolation (renforcée) Volledig beschermd door een dubbele (versterkte) isolatie Dispositivo completamente protetto da doppio (rinforzato) isolamento Dispositivo totalmente protegido por doble Aislamiento (reforzado) Dispositivo totalmente protegido por duplo (reforçado) isolamento Оборудование, защищенное двойной изоляцией или усиленной изоляцией |
|  | EU labeling for separate collection of electrical and electronic devices. Dispose according your local authority's recycling processes. EU-Kennzeichnung für die getrennte Sammlung von Elektro Und elektronische Geräte. Entsorgen Sie diese Gerät entsprechend der örtlichen Behörde Recyclingprozess. Étiquetage de l'UE pour la collecte séparée des appareils électriques et électroniques. Le produit est à recycler dans une structure appropriée selon les procédées de votre collectivité locale. EU-labels voor gescheiden inzameling van elektrische en elektronische apparaten. Rangschik volgens de gemeentelijke recycleer-processen. Etichetta UE per la raccolta differenziata di impianto elettrico e dispositivi elettronici. Smaltire secondo le autorità locali, processi di riciclo. Etiquetado de LA UNIÓN EUROPEA para recogida por separado de dispositivos eléctricos y electrónicos. Depositar según procesos de reciclado establecidos por su autoridad local. IDENTIFICAÇÃO DA UE para a recolha separada de dispositivos elétricos e eletrônicos. Descarte de acordo com as autoridades locais, processos de reciclagem. Маркировка ЕС для раздельной утилизации электрических и электронных устройств. Утилизировать с соответствии с местным законодательством. |

