

user  
manual

# OLT Multiswitches

## 9750 / 9752



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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 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.

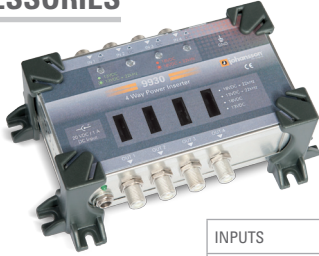
 Do not use solvent.

 For repairing and servicing refer to qualified personnel.



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

## ACCESSORIES



### Power Inserter » REF. 9930/9930UK For use with Quad LNB

9930

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



### Power Supply » REF. 9933 LNB powering

9933/9933UK

AC INPUT	-	230 V / 50 Hz
DC OUTPUT	VDC	15
MAX. OUTPUT/ CURRENT	Amp	2.0
CONNECTOR	mm/female	Jack 2 ,1
DIMENSIONS	mm	176 x 71 x 47

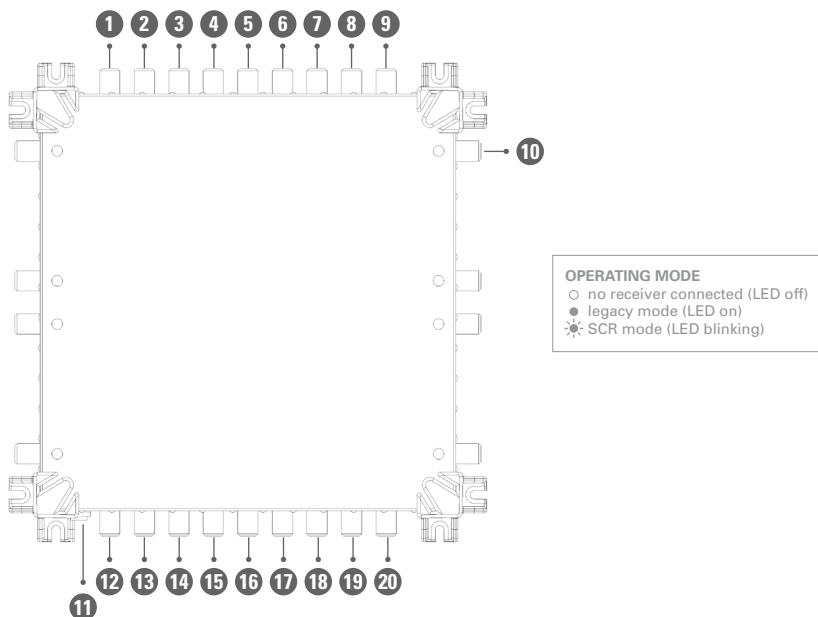
### Smart Splitter » REF. 4603 For use with BskyB set-top boxes

4603



WAY	-	3
FREQUENCY	Mhz	5-2150
INSERTION LOSS +/- 2	dB	10
RETURN LOSS IN/OUT	dB	> 10
DC POWER PASS	mA	500 max.
INPUT VOLTAGE	VDC	10 min. / 20 max.
MESSAGE BUFFER	-	3 / receiver port
DIMENSIONS	mm	40 x 68 x 140

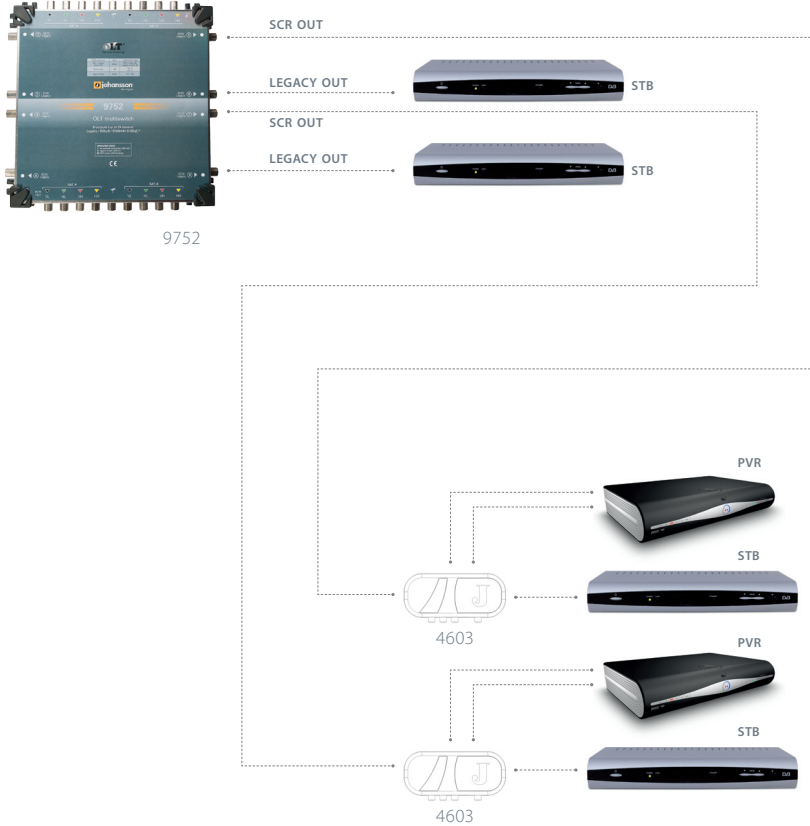
# 2 INSTALLATION OF THE HARDWARE



- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><b>1</b> Vertical Low SAT input 1</li> <li><b>2</b> Horizontal Low SAT input 1</li> <li><b>3</b> Vertical High SAT input 1</li> <li><b>4</b> Horizontal High SAT input 1</li> <li><b>5</b> Passive terrestrial input</li> <li><b>6</b> Vertical Low SAT input 2</li> <li><b>7</b> Horizontal Low SAT input 2</li> <li><b>8</b> Vertical High SAT input 2</li> <li><b>9</b> Horizontal High SAT input 2</li> <li><b>10</b> Output:             <ul style="list-style-type: none"> <li>• Legacy mode: 1 tuner</li> <li>• SCR mode: 3 tuners</li> </ul> </li> </ul> | <ul style="list-style-type: none"> <li><b>11</b> Power adapter (ref. 9933/9933UK)<br/>DC connection</li> <li><b>12</b> Vertical Low SAT output 1</li> <li><b>13</b> Horizontal Low SAT output 1</li> <li><b>14</b> Vertical High SAT output 1</li> <li><b>15</b> Horizontal High SAT output1</li> <li><b>16</b> Passive terrestrial output</li> <li><b>17</b> Vertical Low SAT output 2</li> <li><b>18</b> Horizontal High SAT output 2</li> <li><b>19</b> Vertical High SAT output 2</li> <li><b>20</b> Horizontal High SAT output 2</li> </ul> |
|---|--|

# 3 IMPORTANT INFORMATION

When working with BskyB set-top boxes, be sure to use the OLT multiswitch in combination with the smart splitter (ref. 4603). This smart splitter avoids collisions between several set-top boxes.



Be sure to set your set-top box in SCR mode. The channels used by the multiswitch are 9, 11 and 14. Set these channels in your set-top box for a proper operation of the system.



# 4 TECHNICAL SPECIFICATIONS

		9750	9752
INPUTS	-	1 x Terrestrial 8 x Satellite (2 SAT positions)	
OUTPUTS	-	4 outputs (up to 12 tuners)	8 outputs (up to 24 tuners)
FREQUENCY	MHz	Ter.: 5-790 (LTE protected) SAT: 950-2150	
SCR CHANNELS	MHz	1280/1382/1484 (Sky CH: 9/11/14)	
SUPPORTED STANDARDS	-	EN50494 / BSkyB / Legacy	
MAX. INPUT LEVEL SAT	dB $\mu$ V	91	
MAX. OUTPUT LEVEL SAT	dB $\mu$ V	SCR mode: 90 Legacy mode: 80	
TRUNK LOSS	dB	Ter.: 3 SAT: 2	Ter.: 5 SAT: 3
RETURN LOSS IN/OUT	dB	>10	
TAP LOSS (TERRESTRIAL)	dB	typ. 24	
LNB REMOTE CURRENT	mA	500	
STB CURRENT	mA	85	
OPERATING TEMPARTURE	$^{\circ}$ C	-20 to +50	
DIMENSIONS	mm	122 x 222 x 51	222 x 222 x 51

# 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-authorized person.

## NOTE

Date of production is MMY format, example 0411 = April 2011.

For the serial number barcodes, the date corresponds to the 4 first numbers.





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