

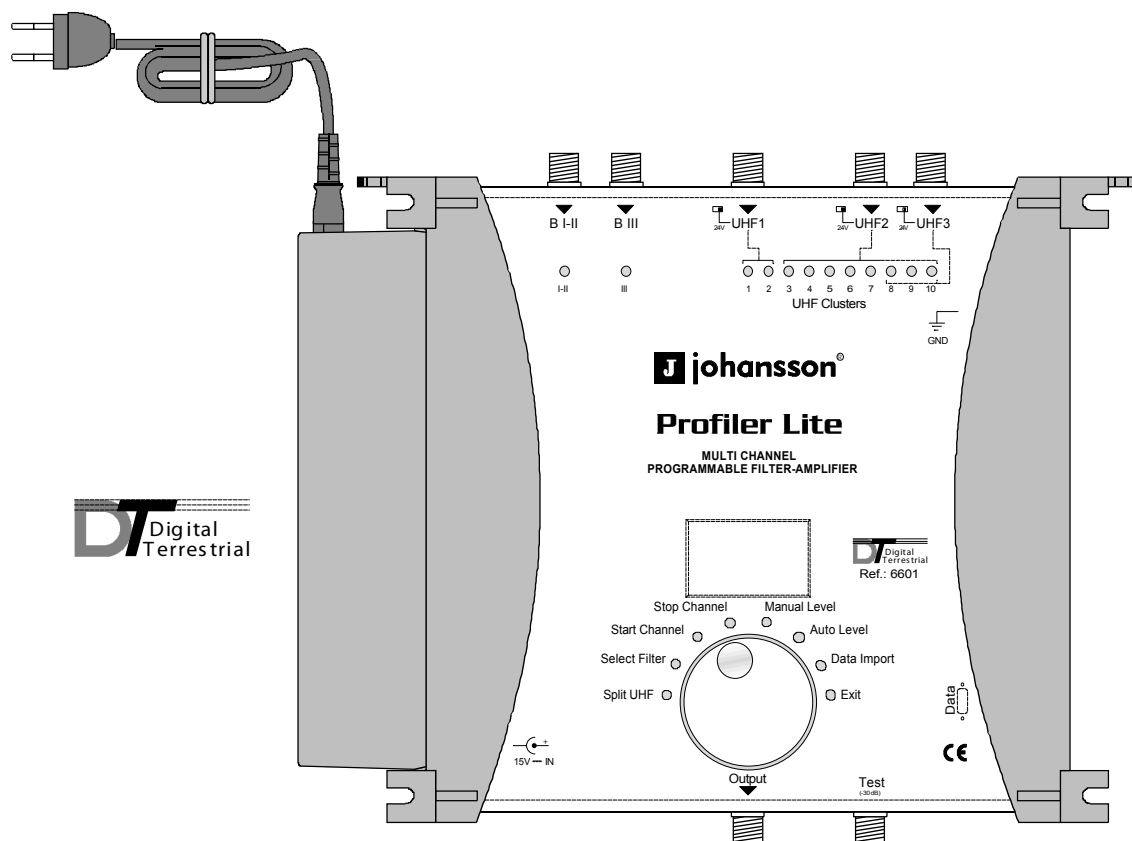
Profiler Lite

10 clusters: 6601 / 6601A / 6601UK

9 clusters: 6607

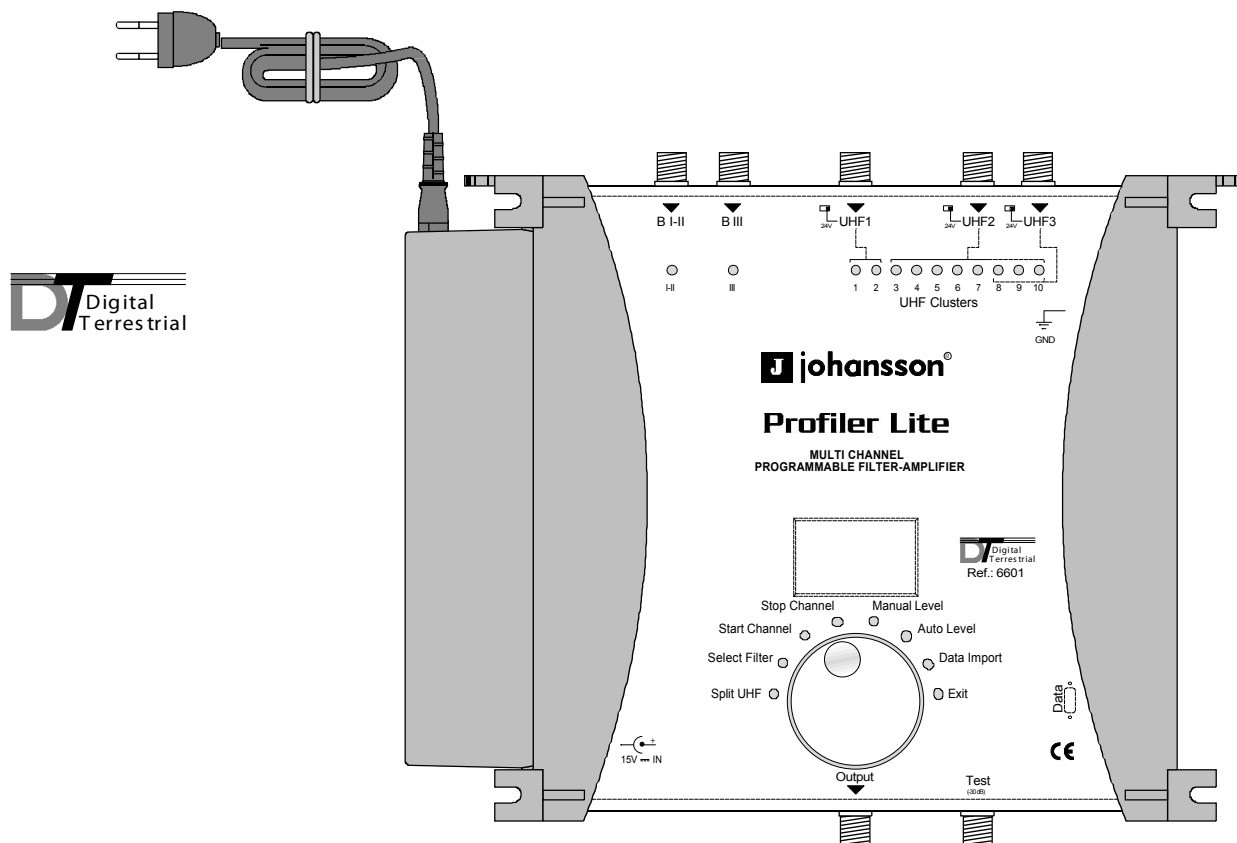
8 clusters: 6606

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Profiler Lite Multi Channel Programmable Filter-Amplifier

User Manual



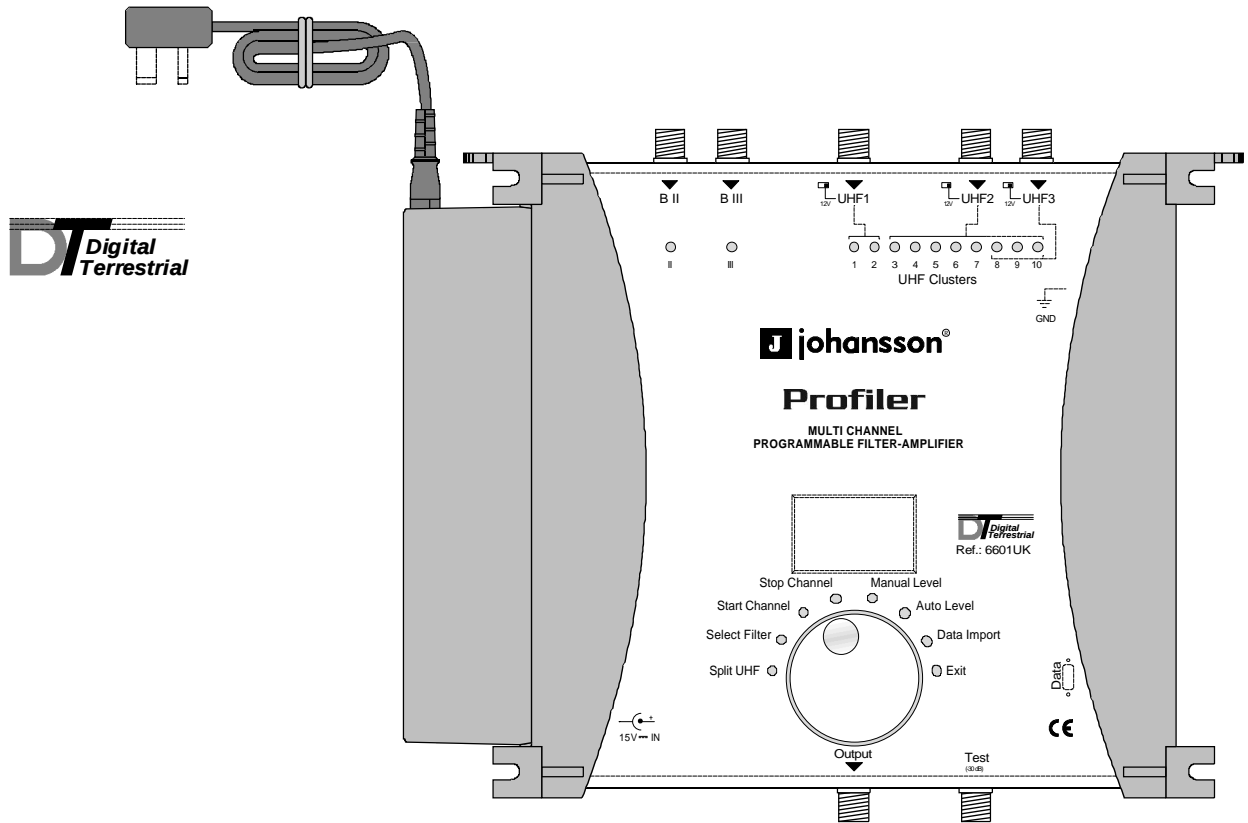
FEATURES

- Designed for both digital and analogue channels,
- 5 inputs : B I-II / B III and 3 UHF inputs splitted over 10 UHF programmable clusters ⇒ Ref. 6601
5 inputs : B I-II / B III and 3 UHF inputs splitted over 9 UHF programmable clusters ⇒ Ref. 6607
4 inputs : B I-II / B III and 2 UHF inputs splitted over 8 UHF programmable clusters ⇒ Ref. 6606
- Each cluster can have 1 to 7 channels bandwidth,
- Easy programming by using one rotary / push button viewed on 2 digits display and LEDs for each cluster and each input,
- Unit can be locked by security code,
- 'COPY' function in order to transfer all settlements from one unit to another reducing time of installation,
- High selectivity filters,
- Low noise figure and high gain split band amplifiers,
- High UHF input levels up to 105 dBμV by switchable 20 dB input amplifier,
- Automatic leveling of signal or manual with 30 dB attenuator with 1 dB step for accurate equalization
- Selectable remote power on UHF inputs,
- -30 dB Test output.

UK-version 6601UK

Profiler Lite Multi Channel Programmable Filter-Amplifier

User Manual



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- Automatic leveling of signal or manual with 30 dB attenuator with 1 dB step for accurate equalization
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- -30 dB Test output.

Read carefully these instructions before connecting the unit.

The operating voltage is indicated on the adapter.

To prevent fire, short circuit, 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.

Refer to qualified technician before it's further operation.

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.

Pull out power plug to make the different connections of cables.

To avoid electrical shock, do not open the housing of adapter.

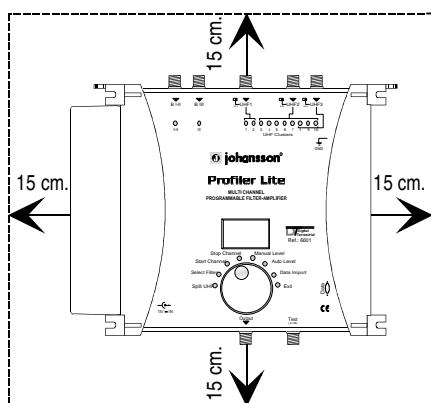
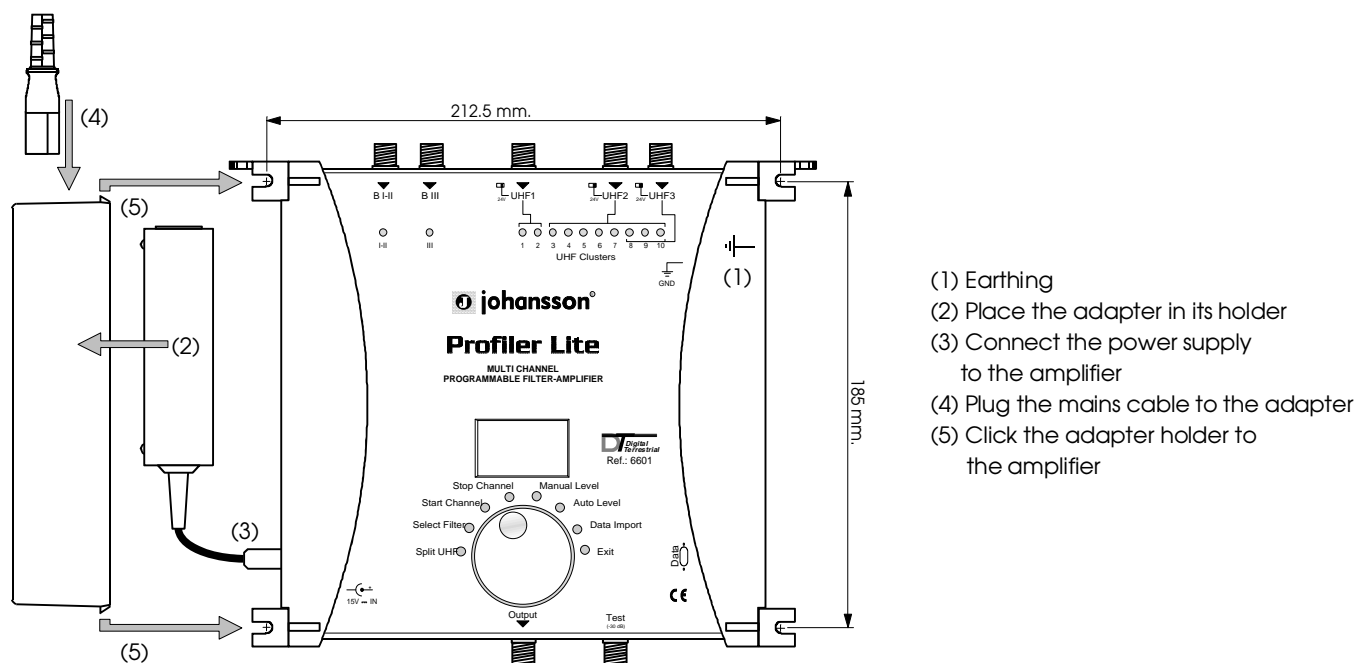
Cleaning :

Only use a dry soft cloth to clean the cabinet. Do not use solvent.

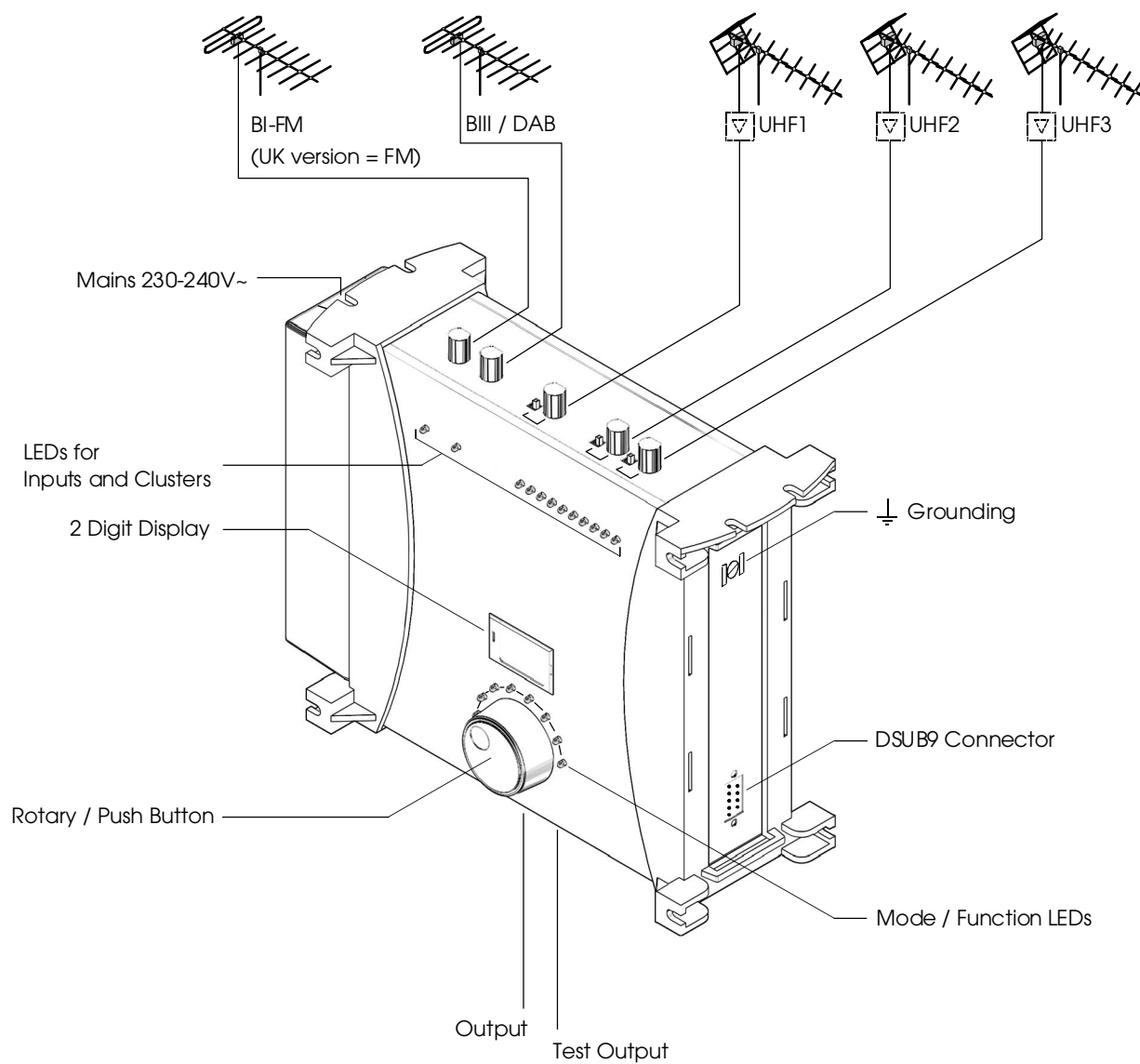
Servicing :

For repairing and servicing refer to qualified personnel.

Mounting



Leave a minimum space of 15 cm. around the product to guarantee a maximum ventilation.



Ref. 6601 - 6607 : 3 x UHF / Ref. 6606 : 2 x UHF

All parameters are set with the rotary push button.
Each function and parameters are shown on 2 digits display and different LEDs .

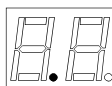
Programming

Enter programming mode

- Make all the necessary connections and connect amplifier to mains.



The software version is displayed,



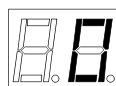
followed by a dot.

- Push on the rotary button for more than 3 seconds to enter into programming mode.



ATTENTION !

When security code is activated (see "Exit programming mode" on page 8) :



is displayed.

- Turn the button to display "50"



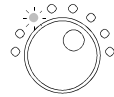
- Push the button to confirm the code.



Note: the security code "50" is fixed and can not be changed.

Repeat this section to set all parameters

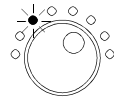
- Turn the button to select the desired mode.



Mode is indicated with a GREEN colored LED.

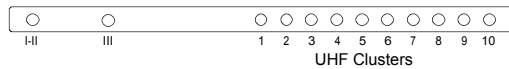
☀ = green LED
☀ = red LED

- Push the rotary button to enter the selected mode.



The LED is now RED colored.

- Inside the mode, turn the button to select the parameter (input, cluster, channels, level...)



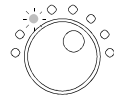
Input and Cluster LEDs

UHF Clusters



Display

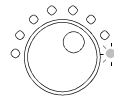
- Push the button to confirm the parameter setting.



LED returns to a GREEN color.

Exit programming mode

- Turn the button to select **Exit** mode.



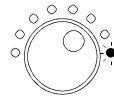
Exit

The LED is green.

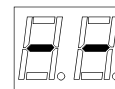
- Push the button more than 3 seconds to confirm.



3sec.

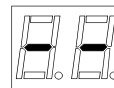


Exit



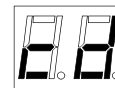
The LED is red and 2 dashes are displayed

- Turn the button to select



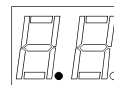
Free access to programming mode

or



Access to programming mode with security code "50"

- Push the button to confirm.



A dot is displayed

Note :

The amplifier will go in "stand-by" and will display a dot after 1 minute if the rotary / push button is not activated.

Setting clusters / UHF input

The amplifier Ref. 6601 has 3 UHF inputs which are splitted over 10 clusters
 Ref. 6607 has 3 UHF inputs which are splitted over 9 clusters
 Ref. 6606 has 2 UHF inputs which are splitted over 8 clusters

There are three possible configurations :

Input	6601			6607			6606	
	UHF1	UHF2	UHF3	UHF1	UHF2	UHF3	UHF2	UHF3
Number of cluster (s)	2	8	0	2	7	0	8	0
	2	7	1	2	6	1	7	1
	2	5	3	2	4	3	5	3

UHF1 clusters are indicated by the YELLOW LEDs

UHF2 clusters are indicated by the RED LEDs

UHF3 clusters are indicated by the GREEN LEDs

To set the number of cluster(s) per input :

- Turn the button to select **Split UHF** mode.



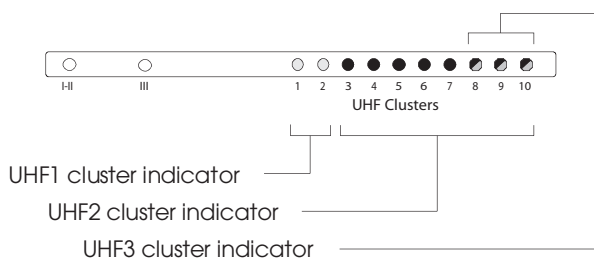
The LED is green.

- Push the button to confirm.



The LED is red.

- Turn the button to set one configuration :



Display of selected configuration :

Input	Display	UHF2	UHF3
Number of cluster(s)	"8.0"	8	0
	"7.1"	7	1
	"5.3"	5	3

- Push the button to confirm.



The LED is green.

Notes :

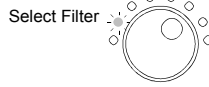
- UHF1 is set for 2 clusters, UHF2 and UHF3 are set for different number of cluster(s).
- Each cluster can be switched off (Park function).
 For example if you only need one cluster for UHF1, set the second cluster on channel 00 to switch it off (see following paragraph "Setting channels / cluster").

Each cluster has a bandwidth which can be programmed from 1 to 7 channels :

To set the channel(s) per cluster :

In the following example cluster 1 is set for channel 22 to channel 26.

■ Turn the button to select the **Select Filter** mode.



Mode is indicated with a GREEN colored LED.

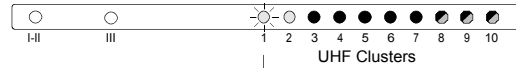
☀ = green LED
● = red LED

- Push the rotary button to enter the selected mode.



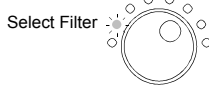
The LED is now RED colored.

- Inside the mode, turn the button to select the cluster to be set.



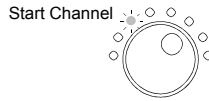
LED n° 1

- Push the button to confirm.



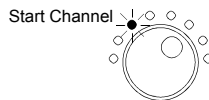
The LED is green.

■ Turn the button to select the **Start Channel** mode.



The LED is green.

- Push the rotary button to enter the selected mode.



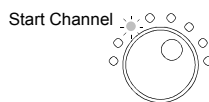
The LED is now RED colored.

- Turn the button to select the start channel



Display

- Push the button to confirm.



The LED is green.

■ Turn the button to select the **Stop Channel** mode.



The LED is green.

- Push the rotary button to enter the selected mode.



The LED is now RED colored.

- Turn the button to select the stop channel



Display

- Push the button to confirm.



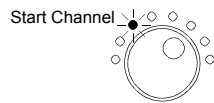
The LED is green.

Repeat this section to set all clusters

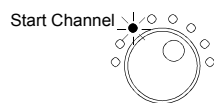
Notes :

- Single channel mode :

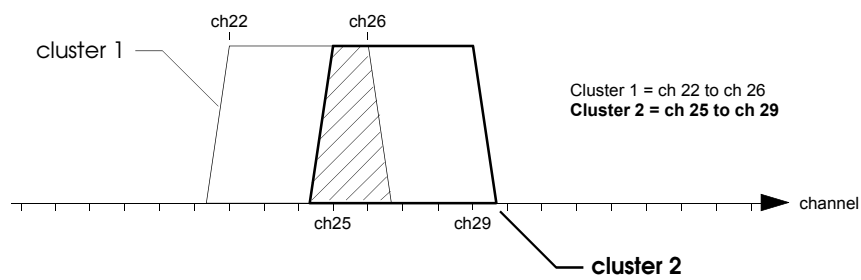
When the Start Channel is selected, the Stop Channel is automatically set at the same value.



- Park function : to switch off the cluster, select **Start Channel** and set 00.
The **Stop Channel** goes automatically to 00.

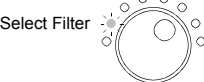


- If there are overlapping clusters, the display dots will blink alternately.



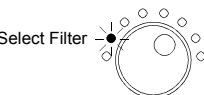
To check the channel settings of each cluster :

■ Turn the rotary button to select **Select Filter**.



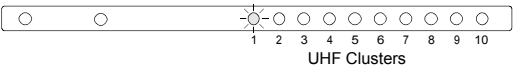
The LED is GREEN.

- Push the rotary button to enter the selected mode.



The LED is now RED colored.

- Turn the button to choose the cluster to be checked.



- The display shows the channels which have been set.

Examples :



Cluster is parked.

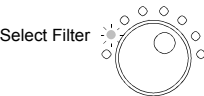


Cluster is set to channel 22.



Blinking 22 and 26:
cluster is set from 22 to 26.

- Push the button to exit.



The LED is GREEN.

Levels are manually set for each input and / or automatically for the UHF clusters.

Automatic level setting

The levels of BI-II / BIII are not processed in the Auto Level function.

- Turn the button to choose the **Auto Level**.



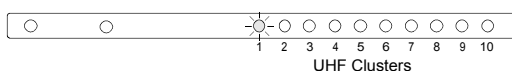
The LED is GREEN.

- Push the rotary button for more than 3 seconds to start the Auto Level function.



The LED is now RED colored.

The level of each cluster is set automatically.



The activated LED indicates the cluster which is being processed.



The display shows the value of attenuation.

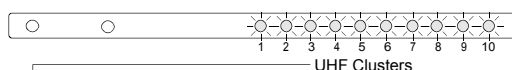
This procedure will take about 1 to 2 minutes, depending on the number of channels and clusters to be equalized.

- When the LED is GREEN, the procedure is finished.



The LED is GREEN.

- Each cluster's LED shows the status of equalization.



- ➔ LED off : parked cluster
- ➔ LED on : correct level
- ➔ LED blinking slowly : signal is too weak
- ➔ LED blinking rapidly : signal is too strong

Notes :

- The automatic level adjustment set the output level of the clusters at 90 dBμV (for an input level between 50 to 80 dBμV).
If the input level is less than 50 dBμV, the LED will blink slowly after the automatic level adjustment.
If the input level is higher than 80 dBμV, the LED will blink rapidly after the automatic level adjustment.
Adjust the input level (attenuation or amplification) if necessary.
- The general attenuator is fixed to 0 after the automatic level adjustment. It can be adjusted from -9 to +10 to get a level between 81 to 100 dBμV (see "General UHF level setting").
- The level of each cluster can be adjusted independently (see "manually level setting").

IMPORTANT : the 10 LEDs indication will not be changed after setting the levels manually.

After automatic level setting procedure, the general level of the UHF signals can be adjusted from +10 dB to -9 dB in steps of 1 dB.

General UHF level setting

- Select all the clusters.

■ Turn the button to choose the **Select Filter** mode.



Select Filter

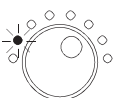


The LED is green.

- Push the rotary button to enter the selected mode.

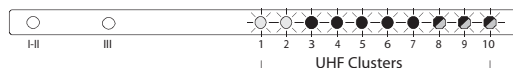


Select Filter



The LED is now RED colored.

- Turn the button to select all UHF.

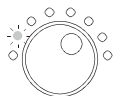


All LEDs are activated

- Push the button to confirm.



Select Filter

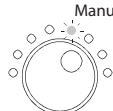


The LED is green.

■ Turn the button to select the **Manual Level** mode.



Manual Level

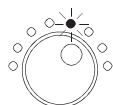


The LED is green.

- Push the rotary button to enter the selected mode.



Manual Level



The LED is now RED colored.

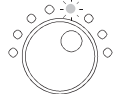
- Turn the button to set the general level, variable from +10 dB to -9 dB.



- Push the button to confirm.



Manual Level



The LED is green.

To set manually the level.

- Select the desired input or cluster.

Example : setting the level of BI-II (UK version = BII)

- Turn the button to choose the **Select Filter** mode.



- Push the rotary button to enter the selected mode.



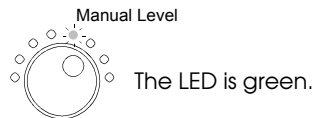
- Turn the button to select BI-II.



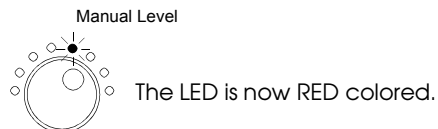
- Push the button to confirm.



- Turn the button to select the **Manual Level** mode.



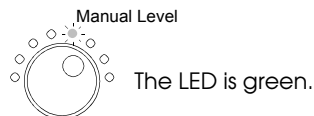
- Push the rotary button to enter the selected mode.



- Turn the button to set manually the level, variable from 20 dB to 0 dB (30 dB to 0 dB for clusters).



- Push the button to confirm.

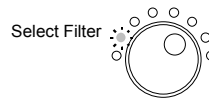


Repeat this section to set all levels

To switch off the UHF input amplifier.

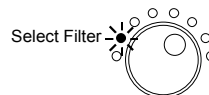
- Select the input to be attenuated.

- Turn the button to select the **Select Filter** mode.



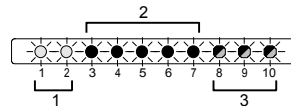
The LED is GREEN.

- Push the rotary button to enter the selected mode.



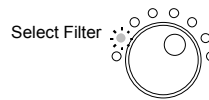
The LED is now RED colored.

- Turn the button to select the input.
Turn continuously the button through every cluster to have access to the input selection.



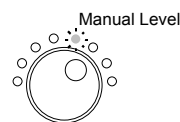
All LEDs of selected input are activated

- Push the button to confirm.



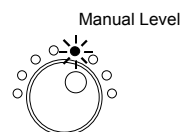
The LED is GREEN.

- Turn the button to select the **Manual Level** mode.



The LED is GREEN.

- Push the rotary button to enter the selected mode.



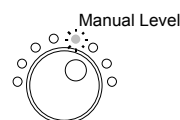
The LED is now RED colored.

- Turn the button to switch off the 20 dB amplifier.



In 'OFF' position
the input signal is
20 dB attenuated.

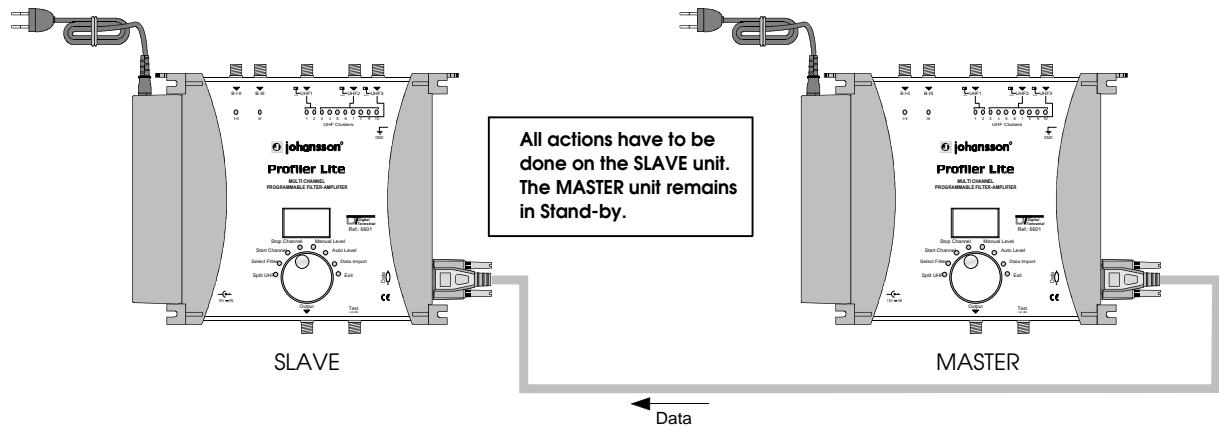
- Push the button to confirm.



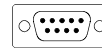
The LED is GREEN.

This function allows to transmit all settings from one unit to another unit or import from the memory stick (optional).

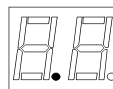
Copy from unit to unit.



- Connect master and slave unit with a DSUB9 male/male crossed cable.
- Then connect mains to the units.



The software version is displayed,

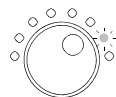


followed by a dot.

- Push on the rotary button for more than 3 seconds to enter into programming mode (see page 7).



- Turn the button to select the **Data Import** mode.



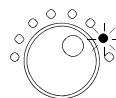
Data Import

The LED is green.

- Push the rotary button to enter the selected mode.



3 sec.



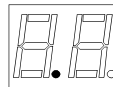
Data Import

The LED is now RED colored.



AL is displayed

- Push the rotary button to confirm Data Import.



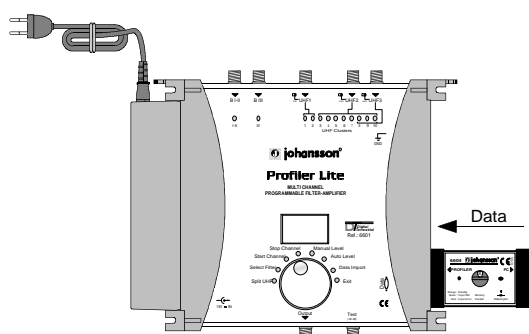
A dot is displayed.

Note :

If a problem occurs during data transmission the display will show an error message :
Possible causes are : wrong type of cable, no cable, bad pin contacts.



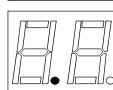
Copy from Memory Stick ref. 6604 (optional).



- Connect the Memory Stick to the unit.
- Then connect the mains to the unit.



The software version is displayed,

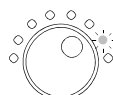


followed by a dot.

- Push on the rotary button for more than 3 seconds to enter into programming mode.



- Turn the button to select the **Data Import** mode.



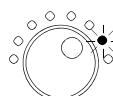
Data Import

The LED is green.

- Push the rotary button to enter the selected mode.



3 sec.



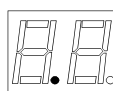
Data Import

The LED is now RED colored.



AL is displayed

- Push the rotary button to confirm Data Import.

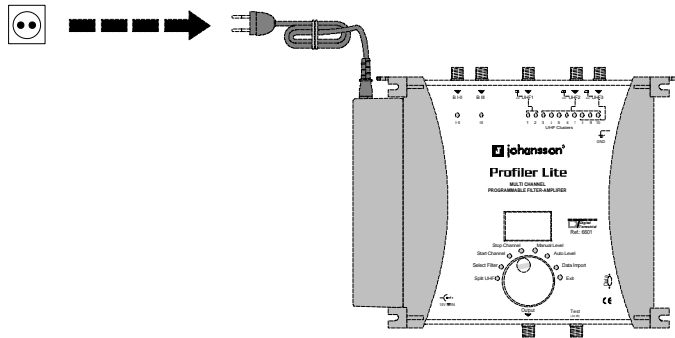


A dot is displayed,

This function can reset all clusters and attenuators to zero.

Note : security code is not reset.

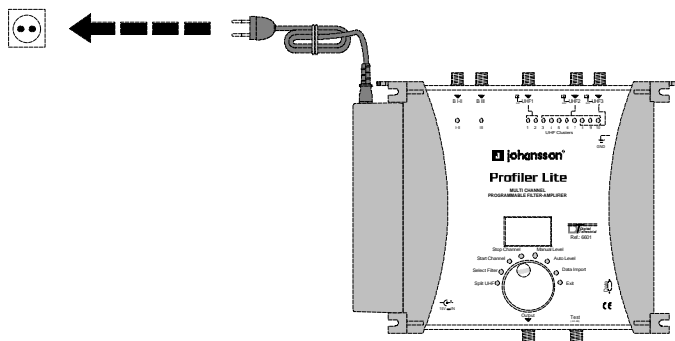
- Disconnect the mains power.



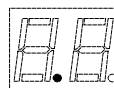
- Keep on pressing the button,



- until the mains is connected again.



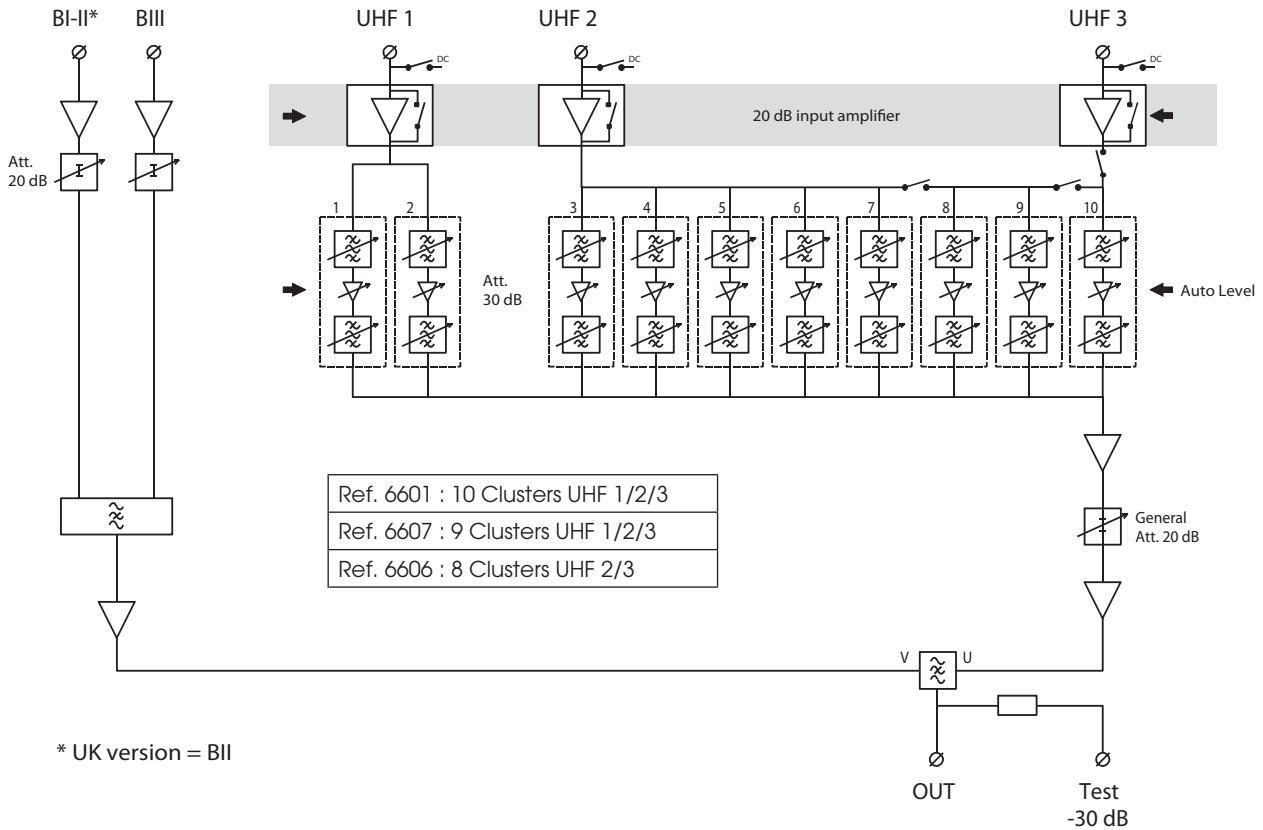
The software version is now displayed



followed by a dot.

- Release the button.

BLOCK DIAGRAM



TECHNICAL SPECIFICATIONS

Inputs	BI-FM*	BII	UHF 1	UHF 2	UHF 3
Frequency range (MHz)	47-108*	174-240	470-862	470-862	470-862
	-	-	8-56 (1 to 7 channels / cluster)		
Configuration of clusters	-	-	6601 - 10 clusters		
			2	8	0
			2	7	1
			2	5	3
			6607 - 9 clusters		
			2	7	0
			2	6	1
			2	4	3
			6606 - 8 clusters		
			-	8	0
			-	7	1
			-	5	3
Gain (dB)	35	40	45		
Attenuator (dB)	20	20	30		
General UHF level adj. (dB)	-	-	+10 to -9		
Noise figure (dB)	5	5	6		
Max. input level (dBμV)	80	80	105		
Max. output level (dBμV)***	116	116	116		
Selectivity	-		10 dB / 10 MHz		
Return loss IN / OUT (dB)	>10	>10	>10	>10	>10
Selectable remote power 24V** / 100 mA in total	No	No	Yes	Yes	Yes
Test output (dB)	-30				
Data transfert	DSUB9 connector				
Power supply	230-240 V~ / 15 V DC / 30 VA				
Operating temperature	-5 to +50° C				
Dimensions	265 x 220 x 95 mm.				

UK version ref. 6601 UK

* BII: 88 - 108 MHz

** 12 Volt remote power supply

*** -54 dB / IM3

Ref. 6601A

** 12 Volt remote power supply

Specifications are subject to change without notice.