

SMART COMPACT AMPLIFIER

smartio

Compact and smart amplifier for mast installation with digital channel processing, designed for single-family houses.

Filters with very high selectivity, mixes, amplifies and equalizes.



THE SELF-PROGRAMMING AMPLIFIER



FAGOR
ELECTRÓNICA



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Compact and intelligent amplifier for mast installation with digital channel processing, designed for single-family homes.

Plug and play operation, automatically detects the channels present at each input.

In case of repeated channels, it selects the ones with the highest level.

Filters with very high selectivity, mixes, amplifies and equalizes.

APPLICATION

Suitable for TV signal distribution in individual systems or small installations

CHARACTERISTICS

- Automatic, intelligent and autonomous operation.
- Processes up to 32 different VHF and UHF channels.
- Internal VHF/UHF pre-amplifier.
- CAG with wide dynamic range at the input.
- High rejection to 4G and 5G signals.
- Possibility of reusing the 5G band with the repeated channels of other inputs, activating the switch.
- Box specially designed to operate outdoors.
- Excellent immunity against interferences.
- Reduced size.



Power supply	12V
Consumption	3.6 W
Operating temp. range	-10 ÷ 50 °C

MODEL	AML PRO 100 D2
Reference	36540
Input	
Nbr. of inputs	4 x RF (VHF + UHF)
Input frequency	
• VHF	174 ~ 230 MHz (CH05 ~ CH12)
• UHF	470 ~ 694 MHz (CH21 ~ CH48)
Input level (VHF / UHF)	< 108 dBμV
5G rejection filter	yes
Internal pre-amplifier	yes
Automatic search	yes
Return Loss	>10 dB
Filter Converter	
Number of filters	32
Filter bandwidth	6 ~ 9 MHz
Automatic Gain Control	yes
5G band reuse	Switch ON (CH49 - CH69)
Output	
Number of outputs	1 x RF (VHF + UHF)
Output Frequency (VHF/UHF)	174 ~ 862 MHz (CH05 ~ CH69)
Output level	93 dBμV
Return loss	>10 dB
Output MER (for input MER ≥ 38 dB)	35 dB
System	
LED indicator	Blink (Auto-Scan) / Solid
Weight	0.250 Kg
Packing dimensions	173 x 116 x 61 mm