

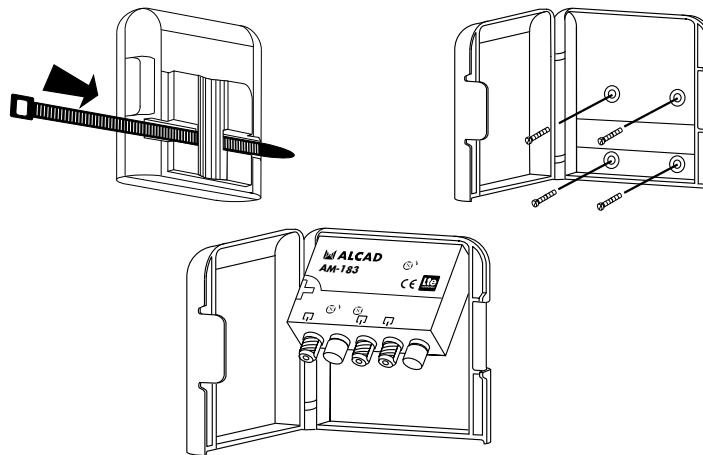
## AMPLIFIER FOR MAST

CODE		9030185			9030186		
MODEL		AM-183			AM-187		
Number of inputs		1/2			1/2		
Frequency range	Band	FM	BIII/DAB	UHF	FM	BIII/DAB	UHF
	MHz	88-108	160-260	470-694	88-108	160-260	470-694
Gain	dB	16	24	20	20	32	
Adjustable gain range	dB	20	16	20	16		
Output level	dB $\mu$ V	108		DIN 45004B			
		105		(IMD <sub>3</sub> -66 dB)			
		93		(IMD <sub>2</sub> -60 dB)			
Noise figure	dB	5,0 $\pm 1,0$	3,5 $\pm 1,0$	5,0 $\pm 1,0$	3,5 $\pm 1,0$		
Rejection between inputs	dB	>30					
Power supply	V $\approx$	12					
	mA	45					
Operating temperature	°C	-10...+65					
Protection index		IP 53					

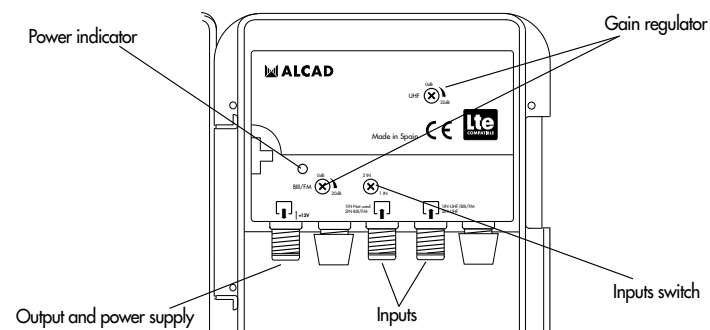
DIN 45004B: 3 unequal carriers, IMD<sub>3</sub> at 60 dB  
 IMD<sub>3</sub> -66 dB: 3 unequal carriers, EN 50083-5  
 IMD<sub>2</sub> -60 dB: 2 equal carriers, EN 50083-5

Data published in compliance with the definitions and measurement methods of the following standards: EN 50083-3, EN 50083-4 and EN 50083-5

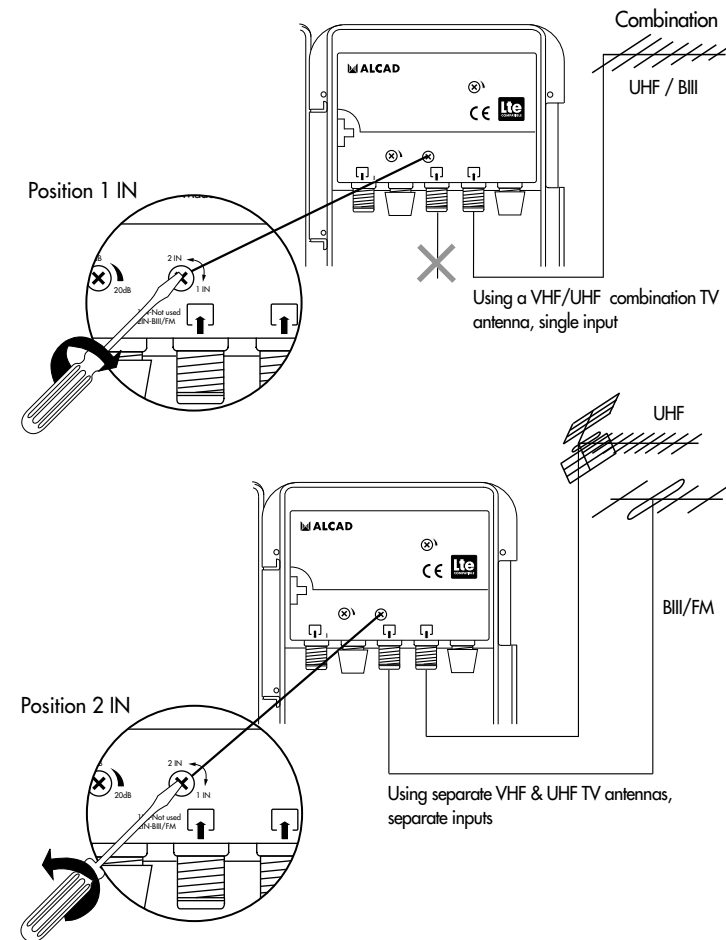
## HOW TO INSTALL AND FIX THE AMPLIFIER



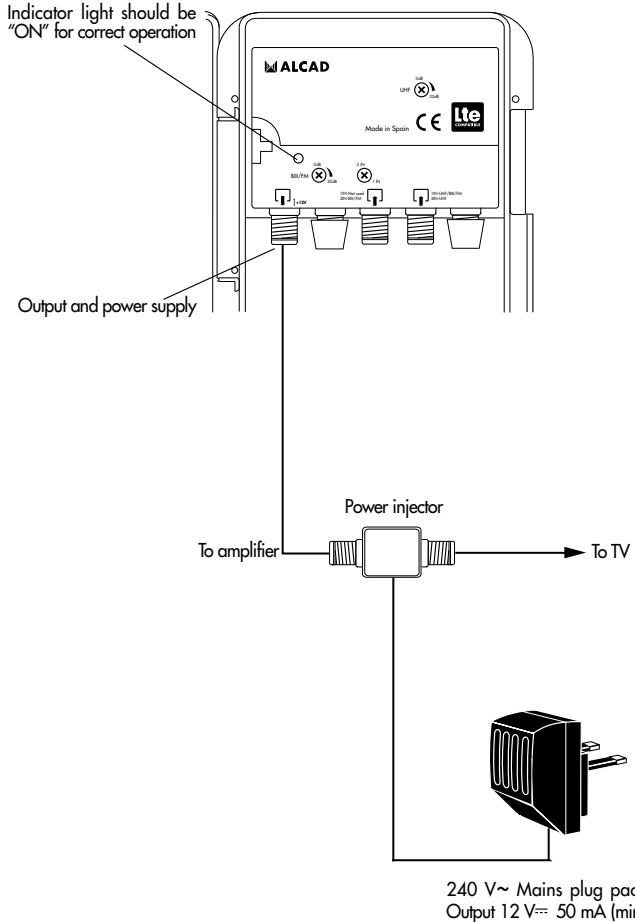
## AMPLIFIER



## HOW TO CHANGE THE INPUTS



CONNECTION TO POWER SUPPLY



**Safety Instructions**  
Do not place the equipment where water can drip or splash onto it. Do not place objects containing liquid, such as glasses, on the equipment. Do not place sources of naked flame, such as burning candles, on the equipment. Do not block the ventilation slots of the equipment with objects such as newspapers, curtains, etc. When installing the equipment, leave some free space around it to provide adequate ventilation. Install the equipment in such a way that the mains supply plug or the connector of the equipment can be easily reached.



**ALCAD** **DECLARATION OF CONFORMITY**  
according to EN ISO/IEC 17050-1:2004

**Company Name:** ALCAD, S.L.  
**Company Address:** Pol. Ind. Arreche-Ugalde, 1  
Apdo. 455, **20305 IRÚN** (Guipúzcoa), **SPAIN**



declares that the product  
**Model Number(s):** AM-183, AM-187  
**Product Description:** MAST BROADBAND AMPLIFIERS and POWER SUPPLIES  
**Product Option(s):** INCLUDING ALL OPTIONS

**is in conformity with:**  
Safety: EN 60728-11:2012  
EN 60065:2002  
EMC: EN 50083-2:2012

The product herewith complies with the requirements of the Low Voltage Directive 2006/95/EC and the EMC Directive 2004/108/EC.

**Supplementary Information:** To comply with these directives, do not use the products without covers and operate the system as specified.

Specifications subject to modifications without prior notice

Xabier Isasa  
General Manager

Irún(SPAIN), 3 jun 2014

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**ISO 9001** ER-0196/1996

Cod. 2637830 Rev.01

903

AMPLIFIERS FOR MAST

