

903

AMPLIFIERS FOR MAST



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		32
Adjustable gain range	dB	20		16	20		16
Output level	dB μ V	108 105 93			DIN 45004B (IMD ₃ -66 dB) (IMD ₂ -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 \dots	12					
	mA	45					
Operating temperature	$^{\circ}$ C	-10..+65					
Protection index		IP 53					

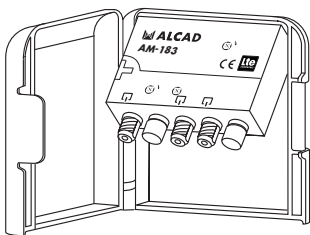
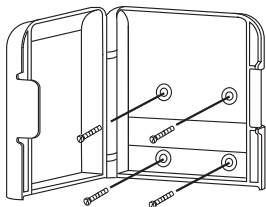
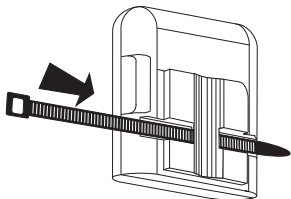
DIN 45004B: 3 unequal carriers, IMD₃ at 60 dB

IMD₃ -66 dB: 3 unequal carriers, EN 50083-5

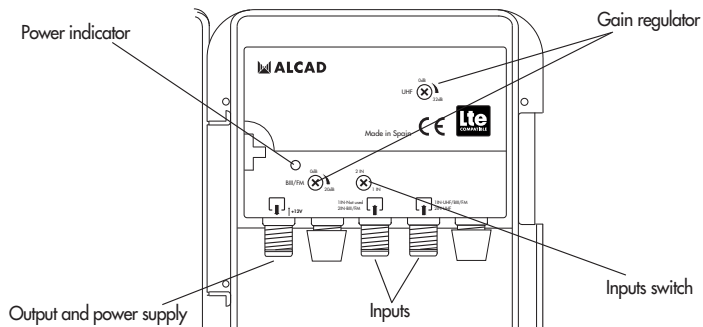
IMD₂ -60 dB: 2 equal carriers, EN 50083-5

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

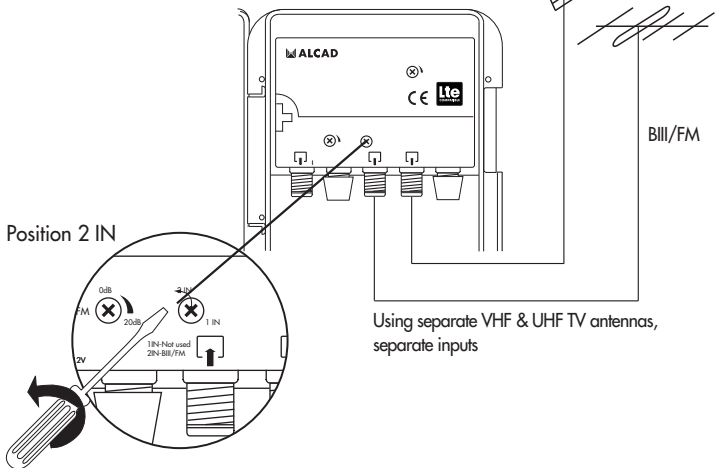
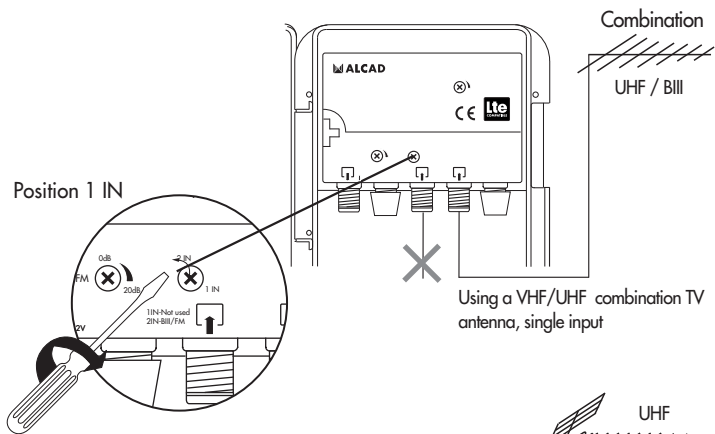
HOW TO INSTALL AND FIX THE AMPLIFIER



AMPLIFIER



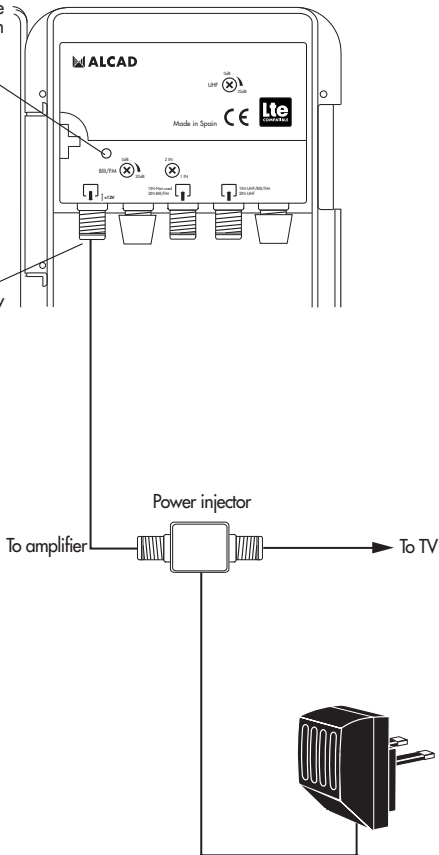
HOW TO CHANGE THE INPUTS



CONNECTION TO POWER SUPPLY

Indicator light should be "ON" for correct operation

Output and power supply



240 V~ Mains plug pack
Output 12 V $\overline{\text{---}}$ 50 mA (min)

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.



DECLARATION OF CONFORMITY

according to EN ISO/IEC 17050-1:2004

Company Name: ALCAD, S.L.
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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

Irún(SPAIN), 3 jun 2014

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ISO 9001



ER-0196/1996