

# 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 $\mu$ 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 $\dots$	12					
	mA	45					
Operating temperature	$^{\circ}$ C	-20..+65					
Protection index		IP 53					

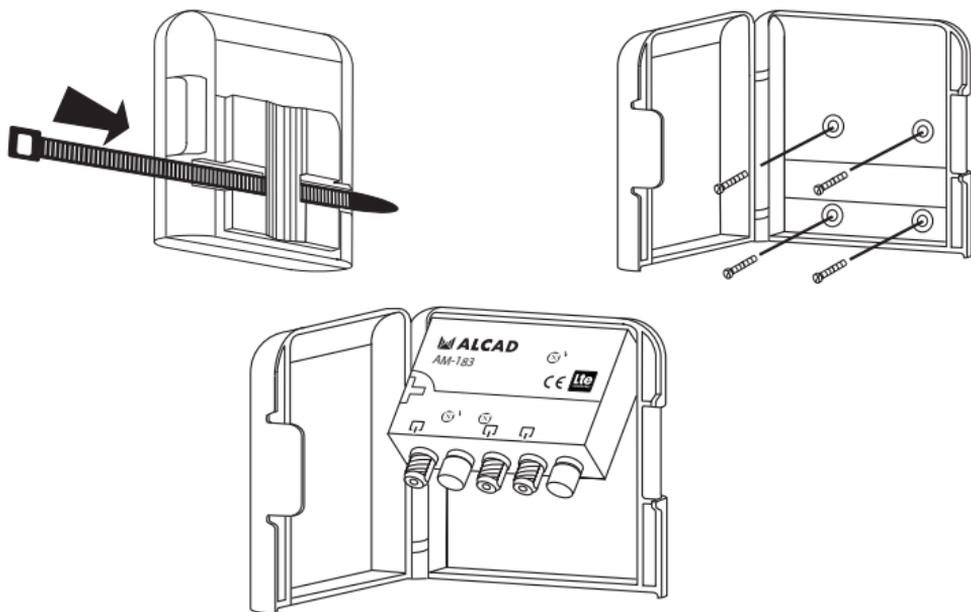
DIN 45004B: 3 unequal carriers, IMD<sub>3</sub> at 60 dB

IMD<sub>3</sub> -66 dB: 3 unequal carriers, EN 50083-5

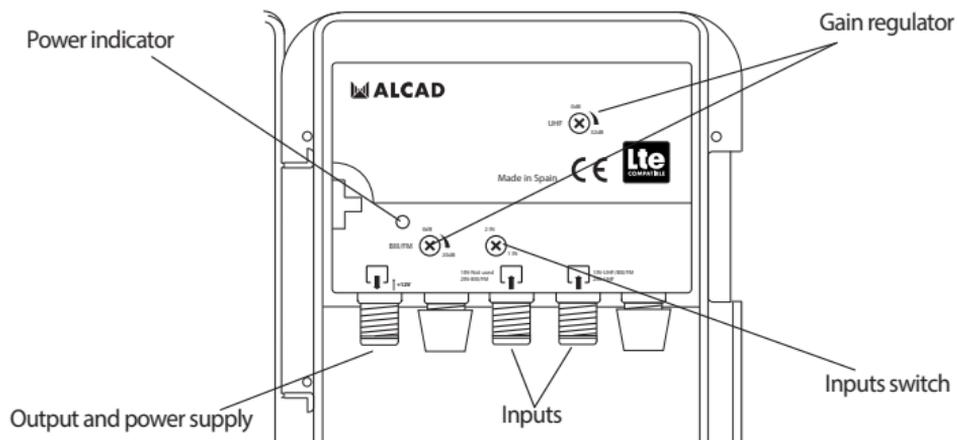
IMD<sub>2</sub> -60 dB: 2 equal carriers, EN 50083-5

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

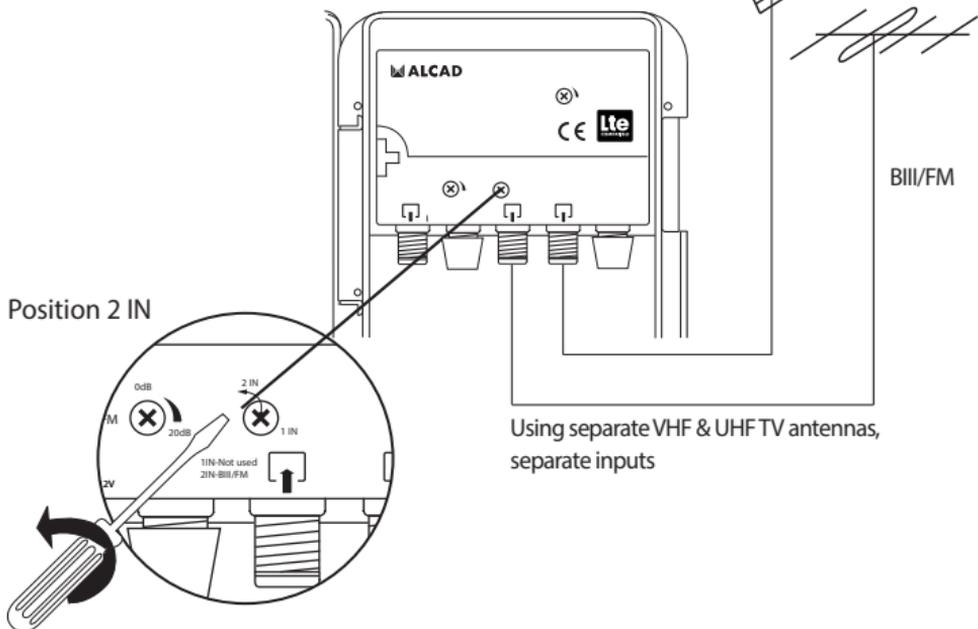
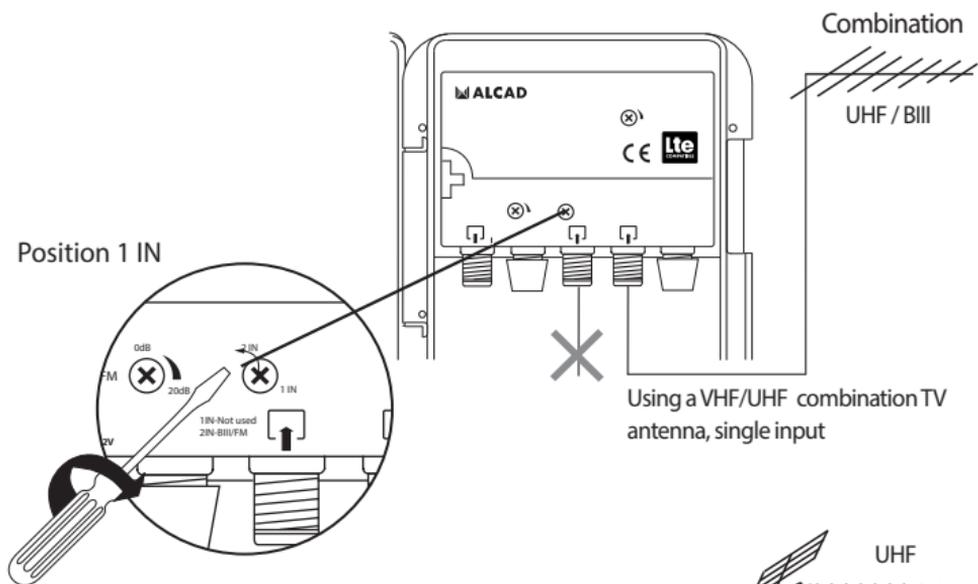
## HOW TO INSTALL AND FIX THE AMPLIFIER



## AMPLIFIER



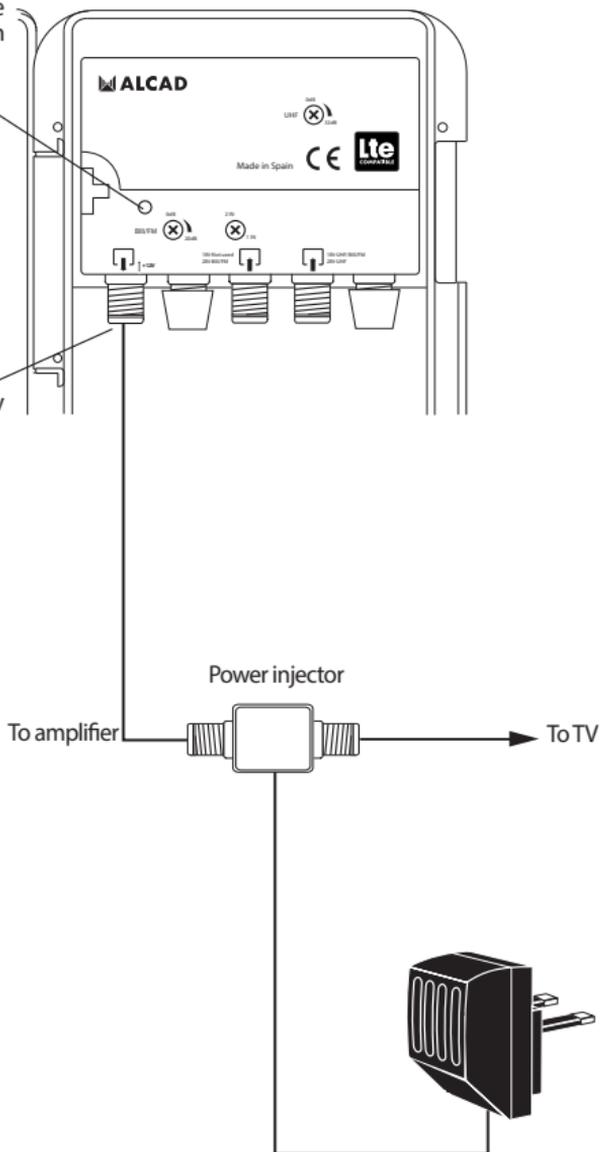
# HOW TO CHANGE THE INPUTS



## CONNECTION TO POWER SUPPLY

Indicator light should be  
"ON" for correct operation

Output and power supply



240 V~ Mains plug pack  
Output 12 VDC 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.



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