

Tv Terrestrial Multi-band amplifiers

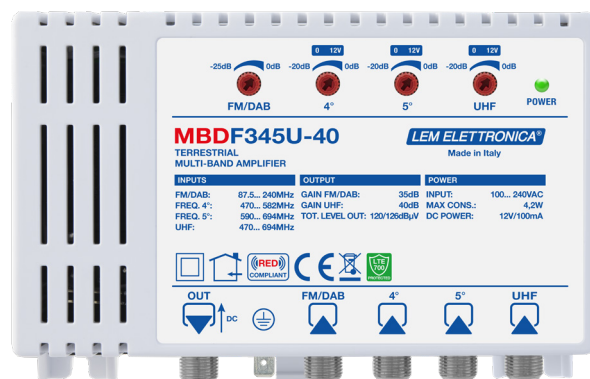


LEM ELETTRONICA®

Satellite and TV reception equipment

Multi-band TV terrestrial amplifiers with independent Band 4° and Band 5° inputs

- ✓ High selectivity 5G/4G filters
- ✓ High efficiency built-in switching power supply
- ✓ PIN diodes attenuators
- ✓ Wall and DIN rail mounting
- ✓ Case made in ABS V0 class



Multi-input indoor TV self-powered low noise amplifiers. Adjustable gain for all inputs and remote power from UHF inputs with short-circuit protection. When placing an order, it's possible to specify the last channel of the 4th band and the first of the 5th band.

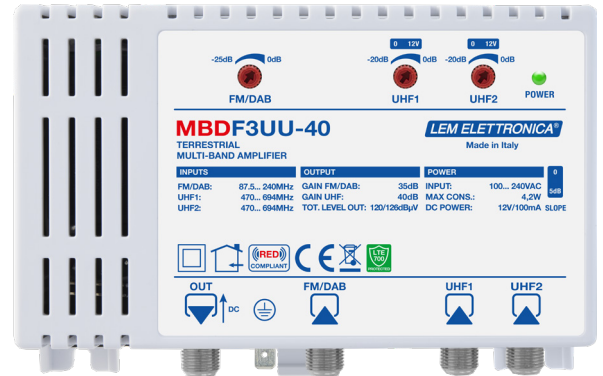


MODEL		MBDF345U-40	MBDF345U-30	MBDF345-40	MBDF345-40
N° INPUTS		4		3	
INPUTS		FM/DAB - B.4° - B.5° - UHF		FM/DAB - B.4° - B.5°	
INPUT FM/DAB	MHz			174... 250	
INPUT BAND 4°	MHz			470... ***	
INPUT BAND 5°	MHz			***... 694	
INPUT UHF	MHz	470... 694		-	
LTE PROTECTION		LTE 700 4/5G			
FM/DAB GAIN	dB	35 (Adjuts. 0... -25)			
B.4 GAIN°	dB	40 (Adjuts. 0... -20)	30 (Adjuts. 0... -20)	40 (Adjuts. 0... -20)	30 (Adjuts. 0... -20)
B.5° GAIN	dB	40 (Adjuts. 0... -20)	30 (Adjuts. 0... -20)	40 (Adjuts. 0... -20)	30 (Adjuts. 0... -20)
UHF GAIN	dB	40 (Adjuts. 0... -20)	30 (Adjuts. 0... -20)	-	
TOTAL MAXIMUM OUTPUT LEVEL VHF	dBμV	120 (IM3 -35dBc)			
TOTAL MAXIMUM OUTPUT LEVEL UHF	dBμV	126 (IM3 -35dBc)			
NOISE FIGURE	dB	7			
INPUT/OUTPUT RETURN LOSS	dB	>12			
TOTAL INPUTS POWER SUPPLY		12V/ 100mA			
POWERING RANGE		100... 240VAC 50/60Hz			
MAXIMUM CONSUMPTION (w/o remote power)	W	3			
MAXIMUM CONSUMPTION (with remote power)	W	4,2			
OPERATING TEMPERATURE	°C	-10... +55			
DIMENSIONS	mm	135 x 91 x 45			

*** Up on request

Multi-band TV terrestrial amplifiers

- ✓ High selectivity 5G/4G filters
- ✓ High efficiency built-in switching power supply
- ✓ PIN diodes attenuators
- ✓ Wall and DIN rail mounting
- ✓ Selectable slope 0/5dB
- ✓ Case made in ABS V0 class



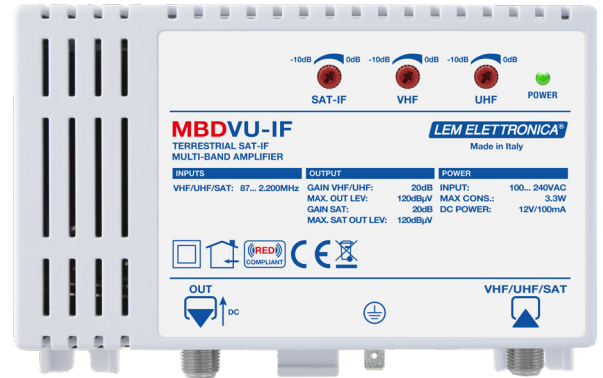
Multi-input indoor TV self-powered low noise amplifiers. Adjustable gain for all inputs and remote power from UHF inputs with short-circuit protection.



MODEL		MBDF3UU-40	MBDF3UU-30	MBDF3U-40	MBDF3U-30
N° INPUTS		3		2	
INPUTS		BIII/DAB - UHF - UHF		BIII/DAB - UHF	
INPUT FM/DAB	MHz	174... 250			
UHF 1 INPUT	MHz	470... 694			
UHF 2 INPUTS	MHz	470... 694			
LTE PROTECTION		LTE 700 4/5G			
FM/DAB GAIN	dB	35 (Adjuts. 0... -25)			
UHF 1 INPUT GAIN	dB	40 (Adjuts. 0... -20)	30 (Adjuts. 0... -20)	40 (Adjuts. 0... -20)	30 (Adjuts. 0... -20)
UHF 2 INPUT GAIN	dB	40 (Adjuts. 0... -20)	30 (Adjuts. 0... -20)		
SLOPE SELECTION	dB	0/+5			
TOTAL MAXIMUM OUTPUT LEVEL VHF	dBμV	120 (IM3 -35dBc)			
TOTAL MAXIMUM OUTPUT LEVEL UHF	dBμV	126 (IM3 -35dBc)			
NOISE FIGURE	dB	7			
INPUT/OUTPUT RETURN LOSS	dB	>12			
TOTAL INPUTS POWER SUPPLY		12V/ 100mA			
POWERING RANGE		100... 240VAC 50/60Hz			
MAXIMUM CONSUMPTION (w/o remote power)	W	3			
MAXIMUM CONSUMPTION (with remote power)	W	4,2			
OPERATING TEMPERATURE	°C	-10... +55			
DIMENSIONS	mm	135 x 91 x 45			

TV terrestrial line multi-band amplifiers

- ✓ High efficiency built-in switching power supply
- ✓ Pin diodes Inter-stage attenuators
- ✓ Wall and DIN rail mounting
- ✓ Case made in ABS V0 class



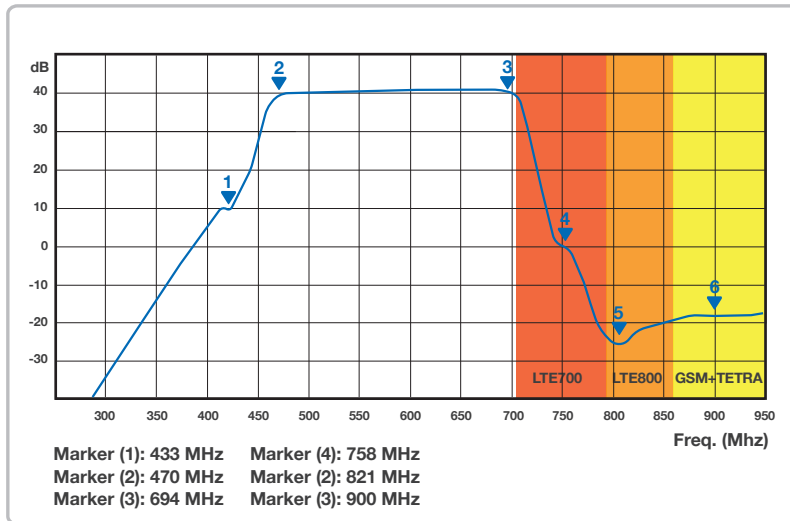
Indoor self-powered line TV amplification control unit with single input. Adjustable gain regulation independently for each band. Also available is the version with satellite amplification.



MODEL		MBDVU	MBDVU-2	MBDVU-IF
N°INPUTS			1	
N°OUTPUTS		1	2	1
FREQUENCY RANGE	MHz	87,50... 300 / 470... 862		87,50... 300 / 470... 694 / 950... 2.200
GAIN VHF	dB	23 (Adjustable 0... -10)		20 (Adjustable 0... -10)
GAIN UHF	dB	23 (Adjustable 0... -10)		20 (Adjustable 0... -10)
GAIN IF-SAT	dB	-		20 (Adjustable 0... -10)
TV TERRESTRIAL MAXIMUM OUTPUT LEVEL	dBμV	120 (IM3 -35dBc)		
IF-SAT MAXIMUM OUTPUT LEVEL	dBμV	118 (IM3 -35dBc)		
NOISE FIGURE VHF-UHF	dB	9		
NOISE FIGURE IF-SAT	dB	4		
INPUT/OUTPUT RETURN LOSS	dB	>12		
POWERING RANGE		100... 240VAC 50/60Hz		
MAXIMUM CONSUMPTION	W	2		3.3
OPERATING TEMPERATURE	°C	-10... +55		
DIMENSIONS	mm	135 x 91 x 45		

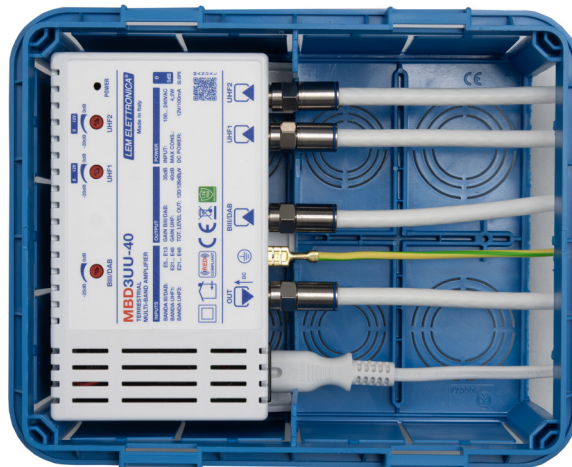
Amplifiers frequency response

The frequency response of multi-band amplifiers (MBD) is characterized by high linearity and the presence of specific filters suitable for filtering aerial 4G and 5G interferences.



Installation in junction boxes

The external dimensions of MBD control units make them suitable for installation even in standard wall-mounted junction boxes.



DIN rail mounting

The case of the amplifiers integrates a quick-release mounting system on a standard DIN rail.





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