

AMP 310 - AMP 310 P - AMP 310 P R

USER'S MANUAL





1. Initial Installation

1.1. Safety measures

Please read carefully these safety rules before installing your device.

- 1.- Never place the device next to hot sources.
- 2.- Never undergo the device to temperatures that exceed its level of operation.
- 3.- Never expose the device to leakings nor spatterings.
- 4.- Never place objects that contain liquids over the device.
- 5.- Respect the ventilation slots of the device, do not cover them with any kind of object.
- 6.- The space around the device must be free of objects, in a minimum radius of 40cm.
- 7.- Avoid locations with possibilities of spilling liquids on the inside of the device, and with important changes of temperature.
- 8.- Never open the device by yourself due to electric risk. In case of problems, go always to gualified technicians
- 9.- Never, under no circumstances, open the device when connected to the electrical net..
- 10.- During the handling it is better to disconnect the device from the electrical net.
- 11.- Obey the electricity security rules during the assembling. Use materials that obey the current law.
- 12.- The connecting plug must be accessible in a fast and simple way to have a fast disconnection.
- 13.- Never touch the plug with wet hands. Also, disconnect always the device before handling the connections.
- 14.- Never put any heavy object over the device, since it could get damaged.
- 15.- If the device is going to remain some time without use, it is recommendable to disconnect it from the electrical net.
- 16.- The repairmen and the maintenance of the device must be done by TV and radio specialised technicians

1.2. Box content







Adapters for frame FRA 300 *



F male - F male 14 cm cable

Depending of model selected, the box will has one of these equipments:



AMP 310



AMP 310 P - AMP 310 P R

^{*} Not included with AMP 310 PR model.

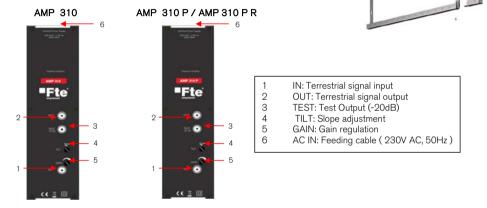
1.3. Description and connections

The wide band amplifier AMP 310 / AMP 310P/ AMP 310 P R amplifies the frequency range of 47-862MHz. The input and output connection are type F female.

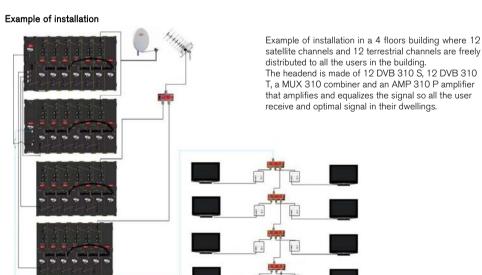
It has a 40 ± 0.5 dB gain for AMP 310 model and a 45 dB gain for AMP 310 P / AMP 310 P R model and a 120 dB μ V output level for AMP 310 and 125 dB μ V output level for AMP 310 P R. It also has a 10dB regulation for AMP 310 and 20dB regulation for AMP 310 P R for the ideal adjustment of output level and a equalization of 10 dB for avoiding the descompensation between high and low frequencies. There is also a TEST output of -20dB in order to verify the output level.

Due to the equipment of 6 receivers with a Power Supply occupy the entire available space in a FRA 300 frame, the AMP 310 P is supplied with all the needed pieces for extending the frame and allowing placing one space more.

In this manner, we achieve that a frame for 6 modules and Power Supply (total 7 modules) becomes a frame for 8 modules.



1.4. Accessories and examples of installations



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Accessories



Digital headend satellite Mod. DVB 310 S CI Cod. 2003522



Digital headend terrestrial Mod. DVB 310 T Cod. 2003502



Active combiner Mod. MUX 310 Cod. 2003518

2. Technical features

Reference	AMP 310	AMP 310 P / AMP 310 P R
Code	2003521	2003520 / 2003520-R
Inputs/Outputs	1/2 (1/1 Test)	1/2 (1/1 Test)
Frequency range	47-862 MHz	47-862 MHz
Gain	40 ±0.5dB	45 dB
Regulation	10 dB	20 dB
Equalization	10 dB	10 dB
Output level max.	120 dBμV	125 dBμV
RF Connectors (In/Out)	F female / F female	F female / F female
Temperature range	0°C a 45°C	0°C a 45°C
Consumption 24V (mA)	525	525
Consumption	95-230V, 50-60Hz, 10,8 W	95-230V, 50-60Hz, 17 W
Dimensions (mm)	265 x 75 x150	265 x 75 x150

3. Declaration of conformity



CONFORMITY DECLARATION

"WE, FTE MAXIMAL, DECLARE THAT THE PRODUCTS AMP 310, AMP 310 P AND AMP 310 P R ARE IN CONFORMITY WITH FOLLOWING DIRECTIVES Low Voltage Directive 2006/95/EC EMC Directive 2004/108/EC"

If you wish a copy of the conformity declaration, please contact to the company

