ANKARO®

HAMP 100

User's manual (English)

DVB
Digital Video Broadcasting

Chapter 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 qualified 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

HAMP 100

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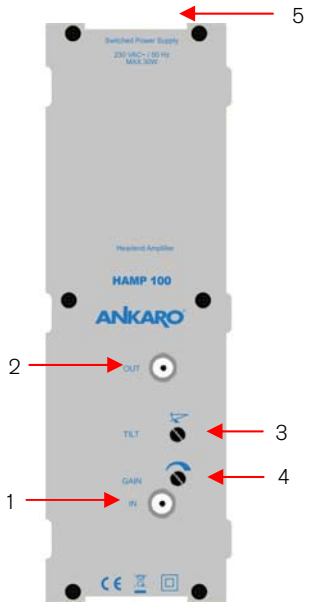
Adapters for frame HFRW 100

1.3. Description and connections

The wide band amplifier HAMP 100 amplifies the frequency range of 47-862MHz. The input and output connection are type F female.
It has a 45 dB gain and a 125 dBµV output level. It also has a 20dB regulation for the ideal adjustment of output level and a equalization of 10 dB for avoiding the descompensation between high and low frequencies.

Due to the equipment of 6 receivers with a Power Supply occupy the entire available space in a HFRW 100 frame, the HAMP 100 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.

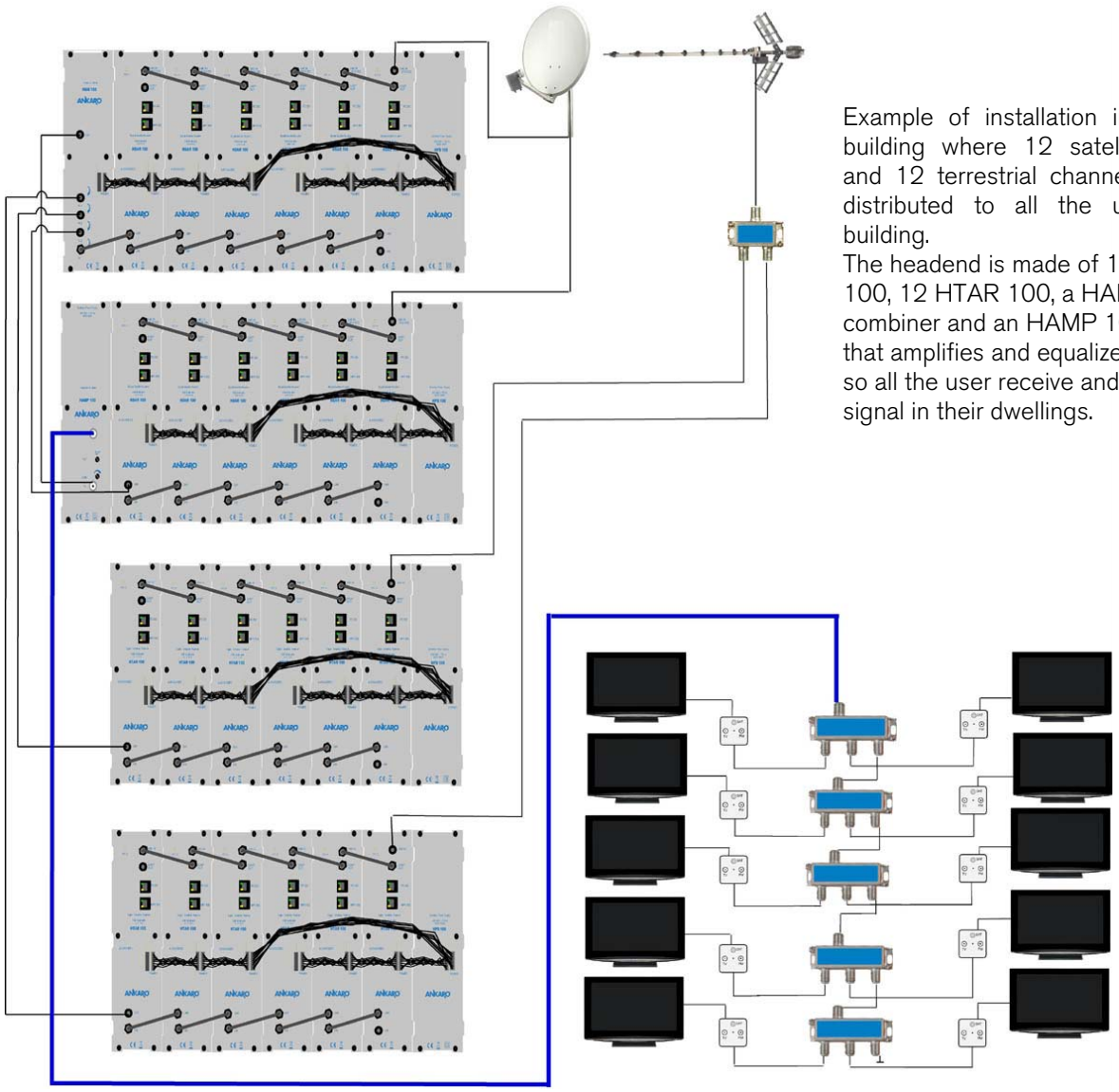
HAMP 100



1	IN: Terrestrial signal input
2	OUT: Terrestrial signal output
3	TILT: Slope adjustment
4	GAIN: Gain regulation
5	AC IN: Feeding cable (230V AC, 50Hz)

1.4. Accessories and examples of installations

Example of installation



Example of installation in a 4 floors building where 12 satellite channels and 12 terrestrial channels are freely distributed to all the users in the building.
The headend is made of 12 HSAR 100, 12 HTAR 100, a HAM 100 combiner and an HAMP 100 amplifier that amplifies and equalizes the signal so all the user receive and optimal signal in their dwellings.

Accessories

Digital headend terrestrial
Mod. HTAR 100 CI
Cod. 20006.11

Digital headend satellite
Mod. HSAR 100
Cod. 20000.11

Active combiner
Mod. HAM 100
Cod. 20012.11

Chapter 2. Technical features

Reference	HAMP 100
Code	20042.11
Inputs/Outputs	1/1
Frequency range	47-862 MHz
Gain	45 dB
Regulation	20 dB
Equalization	10 dB
Output level max.	125 dBµV
RF Connectors (In/Out)	F female / F female
Temperature range	0ºC a 45ºC
Consumption 24V (mA)	525
Consumption	95-230V, 50-60Hz, 17 W
Dimensions (mm)	265 x 75 x150

Chapter 3. Declaration of conformity

CONFORMITY DECLARATION

"WE , ANKARO, DECLARE THAT THE PRODUCT
HAMP 100
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

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