User Manual

Back

Front

H-RF-AMP-30

CATV Signal Amplifier

Distribution Amplifier 30db

54-1000Mhz COAX CATV QAM ATSC Analog RF

Description

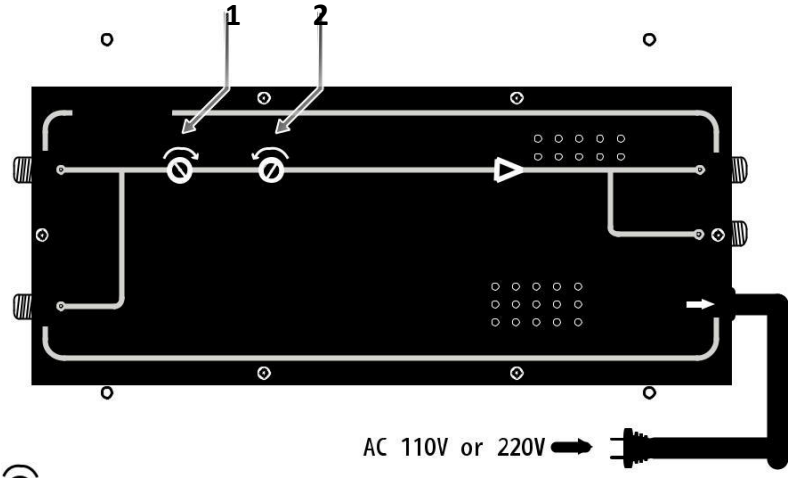
RFMP1 is a 32 dB high-gain amplifier for RF signals. After hundred - meter transmission, RFMP1 is powerful enough to compensate the cable loss.

Supporting full channels of CATV channels (50 ~ 860 MHz), is widely used for CATV systems distribution, RF signal improvement and CCTV multi-camera transmission.

Feature

- High output level 32dB
- High Voltage Surge Protection
- 50 ~ 860MHz for CATV full channels (VHF & UHF)
- High Return Loss against interference
- Power LED indicator
- Optimum for Trunk Distribution
- Hybrid module design to obtain excellent quality
- Adjustable gain and slope for fine tuning systems
- -20 dB test ports for easy trouble shooting
- 60 dBmV high output level

Adjusting gain and slope



1. Gain : MAX

Provide a variable attenuation control for installer to obtain the best setting of RF signal.

2. Slope : MAX

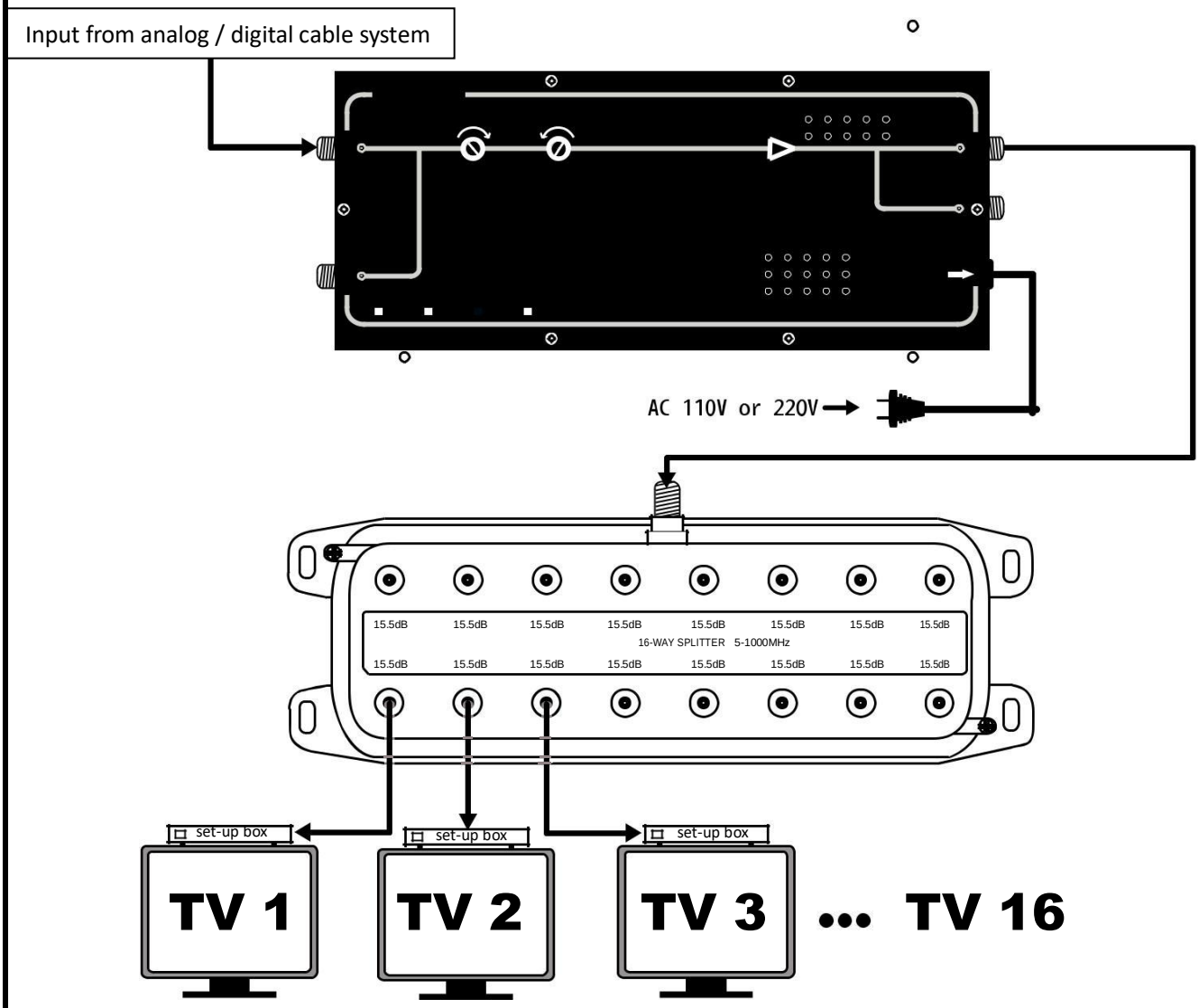
When installer has a long-run system or mulit-transmission by one coaxial cable, this function of Slope Control is necessary to adjust all signals to almost the same output amplitude. Because the UHF channels will have more loss than VHF channels after long-distance transmission. The slope(-20 dB) compensation to allow large systems to be properly balanced.

Specification

Intput Frequency Range	50 ~ 860 MHz
Output Max Level	60 dBmV
Maximum Gain	32 dB
Gain Control Range	0 ~ -20 dB
Slope Control Range	0 ~ -20 dB
Noise Figure	7.5 dB
Flatness	+/- 2 dB
Return Loss	18 dB
Input / Output Impedance	75 ohm
Input / Output test point	- 20 dB
Connectors	All “F” type female
Power requirements	AC 110V or AC 220V
Power Consumption	10 W
Operating Temperature	-10 ~ 60 C

Remark: The picture shown here is engineer sample, and subject to change without notice.

Installation



The RFMP1 series are indoor distribution amplifier, designed for RF distribution systems such as apartment complexes, hospitals, schools and hotels. This amplifier is ideal for those RF distribution systems whose input source is a “cable drop”, the output of a MATV / SMATV / CATV / DTV headend.