

For the Best

TERRA Amplifiers "NEW RANGE"

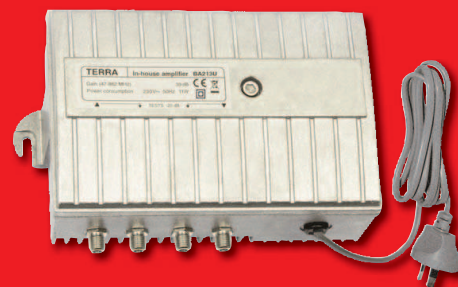
Complete MATV and CATV Solution

I4MM-BA213U

High Powered Trunk Amplifier

Features:

- GaAs push-pull output stage.
- 240V mains powered.
- 'F' Connectors on all ports.
- Variable slope and gain control built-in.
- External test ports for both input and output.
- High-powered amplifier designed to supply signal to large-scale television networks.
- Suitable for both indoor and protected outdoor scenarios.
- Weatherproof and RF shielded design allows it to operate reliably in a range of conditions.
- Straight-forward internal plastic casing shows exactly where to adjust each setting.
- Passive return path module included, with the ability to insert an active return path module if required (sold separately).
- Fixed slope and gain adjustment also available through the provided plug-in modules.



I4MM-HA205R30

High Powered Distribution Amplifier

Features:

- High-power amplifier designed as a great all-round amplifier.
- Switchable internal amplifier section allowing it to switch effortlessly between medium and high gain performance. This allows the gain of the amplifier to be reduced without degrading the quality of the signal being amplified.
- Solid die-cast housing.
- Variable slope and gain control built-in, providing even greater adjustment.
- Ventilated power-supply section allowing for greater heat dissipation and a longer MTBF when compared to other amplifiers.
- 'F' Connectors on all ports.
- External test ports for both input and output.
- Passive and active return path supported using the internal jumpers.
- 240V Mains powered
- Remote power option also available using 24-65VAC (Part number I4MM-HD205R30)



I0MM-HA024R30

Medium Powered Compact Amplifier

Features:

- Compact and reliable amplifier, great for adding extra points to an indoor area.
- Switchable internal amplifier section allowing it to switch effortlessly between low and medium gain performance. This allows the gain of the amplifier to be reduced without degrading the quality of the signal being amplified.
- Variable slope and gain control built-in, providing even greater adjustment.
- Locally powered using 240V mains power.
- 'F' Connectors on all ports.
- External test port.
- Passive return path built-in.



For more information call:

• AUST TOLL FREE: 1800-AERIAL • NZ TOLL FREE: 0800-AERIAL •
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For the Best

Technical Data	High Powered Trunk Amplifier	I4MM-BA213U
Frequency Range	Forward Path*	47-862MHz
	Return Path*	5-30 MHz
Gain	Forward Path**	39dB
	Return Path	-2.5dB
	Flatness***	± 0.5 dB
	Gain Adjustment	20dB
	Slope adjustment, typical	18 dB
	Inverse cable equalizer	0-9 dB in 1 dB step
	Output level CTB, CSO (EN50083-3)****	109 dBμV
	Input and Output return loss*****	> 14dB
	Noise Figure	<7dB
	Test points attenuation	-20dB
General	Mains powering	230V ~ 50Hz 11W
	Operating temperature range	-20°C ÷ +50°C
	Dimensions & Weight	180x132x76mm (with fixing ears 213x132x76mm) / 1.4kg

*Depends on plug-in modules; return path passive pd 02-xx or active pr 02-xx (Return path modules should be ordered separately)

**With link 0 dB instead of interstage attenuator JXP-xx and interstage equalizer: 4dB & 6dB JXP-xx attenuators are supplied in scope of the amplifier delivery

***For amplifier with return path - ± 0.7 dB

****Measured with 6dB interstage equalizer

*****When f≥40 MHz, return loss ≥ 14dB (40MHz) – 1.5 dB/octave, but not less 10dB

Technical Data	High Powered Distribution Amplifier	I4MM-HA205R30 / I4MM-HD205R30
Forward Path	Frequency range	47-862 MHz
	Gain Switchable*	27/36dB
	Gain Adjustment	18dB
	Slope Adjustment	18dB
	Interstage equalizer	-6/-3/0 dB
	Flatness*	±0.75dB
	Input & Output Return Loss	> 14dB at 40 MHz; -1.5 dB/oct, but not less 10 dB
	Output level CTB, CSO (EN50083-3)**	109 dBμV
	Noise figure	8 dB
	Test points attenuation	-20 dB
Return Path	Frequency Range	5-30MHz
	Gain, switchable	27/-4dB
	Gain adjustment	18 dB
	Input attenuator	-10/0 dB
	Output equalizer	-6/-3/0 dB
	Flatness	±0.75 dB
	Return loss	> 14dB
	Noise figure	7 dB (active, 0 dB input attenuator)
	Max output level IMD3=60 dB (DIN45004B)	115 dBμV (active)
	Power Consumption	230V ~ 50Hz 7.5W
General	Operating Temperature	-20 °C ÷ +50 °C
	Dimensions/Weight	185x91x47mm / 0.7kg

*For amplifier with return path measured 10MHz after the starting frequency of forward path

**With 6dB interstage equaliser

Technical Data	Medium Powered Compact Amplifier	I0MM-HA024R30
Forward Path	Frequency range	47 – 862 MHz
	Gain*	18-20/27-30dB (fixed slope pre correction) switchable
	Gain Adjustment	17dB
	Slope adjustment	17dB
	Flatness*	±0.75dB
	Input & Output return loss	> 14dB at 40 MHz; -1.5 dB/oct, but not less 10dB
	Output level CTB, CSO (EN50083-3)	97 dBμV
	Test point	-30 dB bi directional
	Noise figure	8.5dB
Return Path	Frequency range	5-30MHz
	Gain	-1.5dB
	Return loss	> 14dB
General	Power Consumption	230V ~ 50 Hz 3.5W
	Operating temperature range	-20 °C ÷ +50° C
	Dimensions/Weight	133x73x39mm / 0.36kg

*For amplifier with return path measured 10MHz after the starting frequency of forward path