



LAUNCH AMPLIFIER INSTRUCTION MANUAL

WATS-530

WATS-517



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SAFETY

Whyte Launch Amplifiers are intended for indoor use only. Do not install the amplifier in damp, humid, hot or dusty areas.

Switch off and remove the power supply when making connections to the Launch Amplifier to avoid damaging the unit.

Always earth bond the Launch Amplifier using the earth bonding lug to a suitable earth bonding point using min 4mm diameter earth cable.

Do not remove the cover of the Launch Amplifier or disassemble it as this will invalidate the guarantee.

PRECAUTIONS

To ensure trouble free operation:
Do not remove the cover of the multiswitch or disassemble it as this will invalidate the guarantee.

The female F connectors on this unit were designed for use with '100' type coaxial cable with a centre core diameter of 1mm². When using larger CT125 or CT167 cables, you must ensure that suitable F connectors with reducing pins are used otherwise damage to the unit will occur which will invalidate the guarantee.

Do not over tighten the F connectors (finger tight only).

GUARANTEE

All Whyte products are guaranteed for a period of 4 years from the date of purchase.

GENERAL DESCRIPTION

The Whyte Series 5 Launch Amplifier range are compact and designed to be universally flexible. They can be used in small, medium and large Integrated Reception Systems (IRS). All Whyte Series 5 Launch Amplifiers may be utilised as Launch Amplifiers or Line Amplifiers depending on the specific IRS system design requirements.

TECHNICAL DESCRIPTION

Whyte Series 5 Launch Amplifiers can be powered directly via the 18V Auxiliary Input or may be line powered via the SAT input or output trunk lines.

A Whyte Power Supply Unit may be connected to the 18V Auxiliary Input which will pass power upwards and downwards via the HL and HH lines. All IF trunk lines are DC passing. The IF inputs provide power to the LNB irrespective of whether they are powered locally or line powered.

A switchable 12V supply is provided to power a Mast Amplifier if required. If a Mast Amplifier is not present this should be left in the off position.

There are 2 models available in the Whyte Series 5 Launch Amplifier Range; WATS-530 and WATS-517 are summarised as follows (see technical specifications for further details).

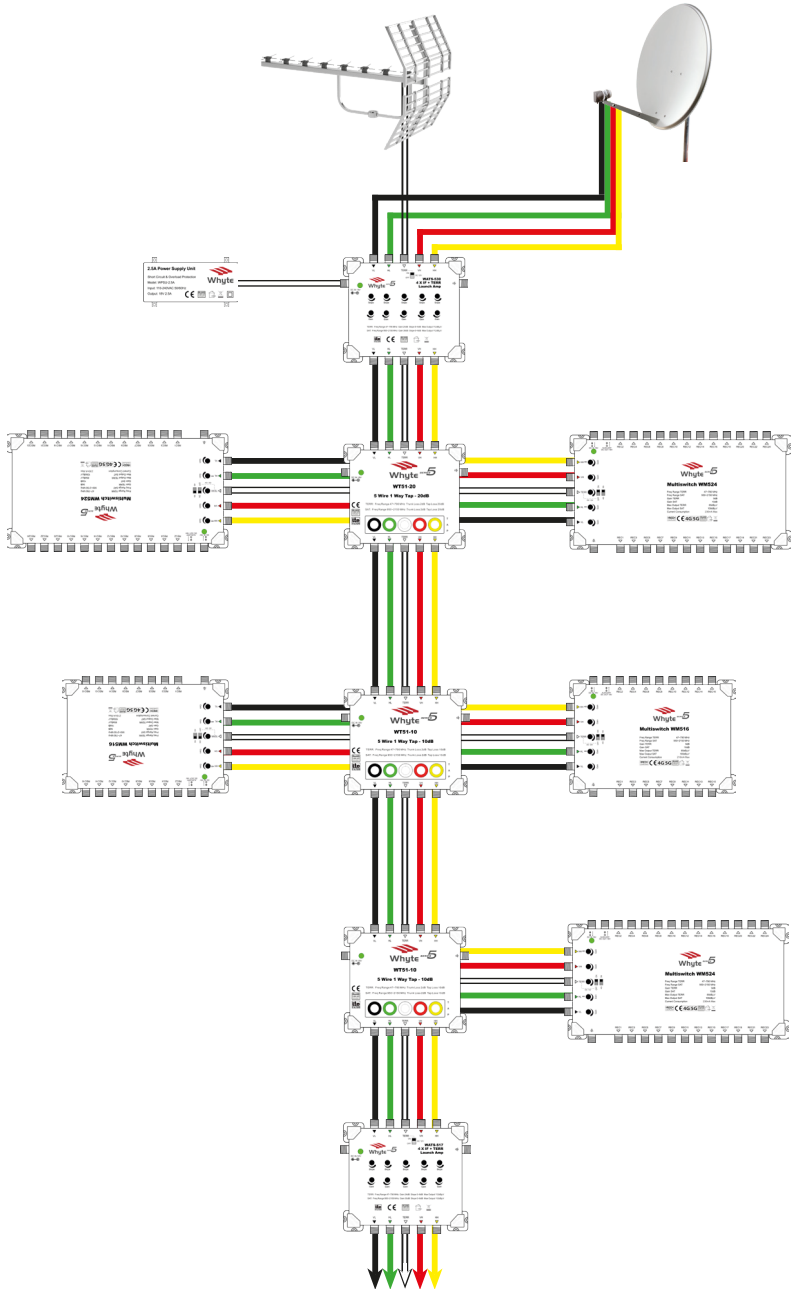
WATS-530:

SAT Gain 30dB TERR Gain 24dB
SAT & TERR Gain Controls
SAT & TERR Slope Controls

WATS-517:

SAT Gain 17dB TERR Gain 13dB
SAT & TERR Gain Controls
SAT & TERR Slope Controls

EXAMPLE CONFIGURATION



SPECIFICATIONS

Model	WATS-530		WATS-517	
Frequency	Satellite	950-2150MHz	950-2150MHz	
	Terrestrial	47-790MHz	47-790MHz	
Inputs (F-Type Connector)		4 SAT + 1 TERR	4 SAT + 1 TERR	
Outputs (F-Type Connector)	Tap SAT	4 SAT + 1 TERR	4 SAT + 1 TERR	
	Tap TERR	30±2dB	17±2dB	
Gain	Tap TERR	24±2dB	13±2dB	
	SAT	15±2dB	10±2dB	
Gain Control	TERR	10±2dB	10±2dB	
	TERR	8±2dB	8±2dB	
Slope Control	TERR	8±2dB	8±2dB	
	SAT	8±2dB	8±2dB	
Maximum Output Level	SAT (IMA3 35dB)	112dBµV	105dBµV	
	TERR (IMA3 60dB)	112dBµV	108dBµV	
Trunk Max Current Pass (per line)		2A	2A	
TERR 12V DC Supply (switchable)		100mA	100mA	
Current Consumption		290mA Max	150mA Max	
Dimension		164x136x41	164x136x41	
Weights		445g	445g	



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