LAUNCH AMPLIFIER
INSTRUCTION MANUAL

WATS-930

CONTENTS

(Whyte Series9 Launch Amp Manual Rev2)

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 $1mm^2$. 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 WATS-930 is a 8 x SAT and 1 x Terrestrial Launch Amplifier that is compact and powerful. It may be utilised as a Launch Amplifier or as a Line Amplifier, and can be powered directly via the 18V Auxiliary Input or line powered via the HH and HL trunk lines.

For ease of installation, the WATS-930 Launch Amplifier can be connected directly to a cascade Series 9 Multiswitches using F-type couplers.

TECHNICAL DESCRIPTION

The WATS-930 Launch Amplifier provides a gain of 30dB on all Satellite inputs and a gain of 24dB on Terrestrial.

Whyte™ Series 9 Launch Amplifiers can be powered directly via the 18V Auxiliary Input or may be line powered via the HH and HL trunk lines.

A Whyte™ Power Supply Unit may be connected to the 18V Auxiliary Input which will pass power upwards and downwards via the HH and HL lines. All IF trunk lines are DC passing in both directions. The IF inputs provide power to the LNB irrespective of whether the amplifier is powered via the Auxiliary Input or line powered via the HH and HL inputs or outputs. An LED is provided to indicate that power is present.

A switchable 12V supply is provided to power a mast amplifier via the Terrestrial input if required. If a mast amplifier is not present this should be left in the off position.

An F connector tool should be used to fit the IF input and output cables. Do not over tighten the F connectors as this is unnecessary and risks damaging the amplifier.

EXAMPLE CONFIGURATION
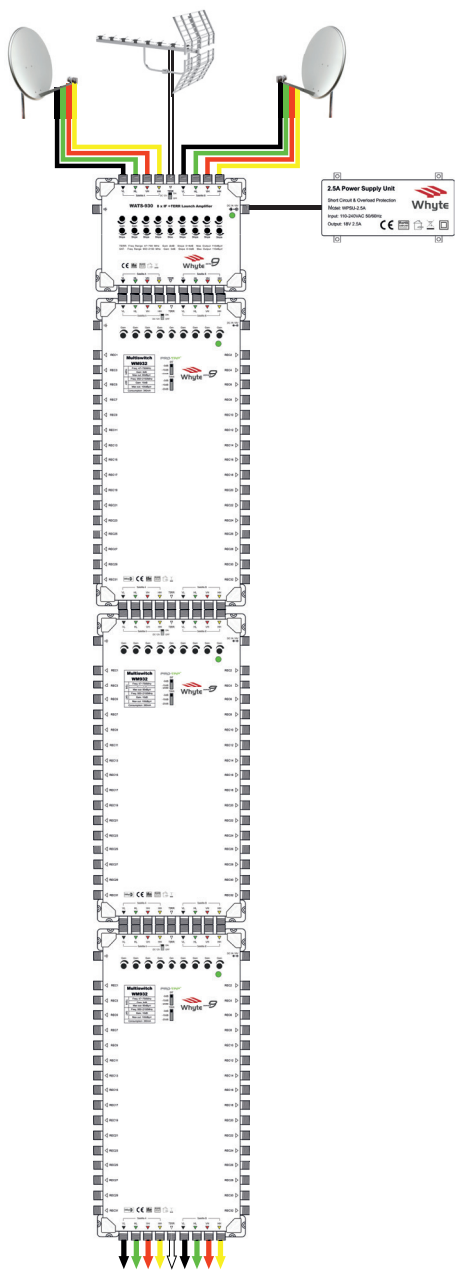
SPECIFICATIONS

Model		WATS-930
Frequency	Satellite	950-2150MHz
	Terrestrial	87-790MHz
Inputs (F-Type Connector)		8 SAT + 1 TERR + DC in
Outputs (F-Type Connector)		8 SAT + 1 TERR
Gain	Satellite (2150MHz)	30±2dB
	Terrestrial	24±2dB
Gain Control	Satellite	15±2dB
	Terrestrial	10±2dB
Slope Control	Satellite	8±2dB
	Terrestrial	8±2dB
Return Loss	Satellite	>8dB
	Terrestrial	>8dB
Max Output Level	Satellite	112dBµV
	Terrestrial	112dBµV
Trunk (LNB) Max Current Pass (per line)		2A
TERR 12V DC Supply (Switchable)		100mA
Current Consumption		380mA max
Dimensions (mm)		172 x 152 x 43
Weight		625g

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