



Launch Amplifier

INSTRUCTION MANUAL

WATS 930



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In the interest of continuous improvement,
all specifications of products within this brochure are
subject to change without notice.

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SAFETY

The Multiswitches are intended for indoor use only.

Do not install the Multiswitch in damp, humid, hot or dusty areas.

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

Always earth bond the Multiswitch using the Earth Bonding Lug and/or the Earth Terminal Bars to a suitable earth bonding point using minimum 4mm² diameter earth cable.

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 against defects. Within this guarantee period, Whyte Technologies will repair or replace the faulty product. In the unlikely event, please return any faulty products to your dealer.

The Guarantee will be deemed as void if the serial number on the product is removed, damaged or illegible. The Guarantee excludes defects caused by incorrect use, accidental damage, disassembly, water/fire/lightning damage or lack of ventilation.

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.

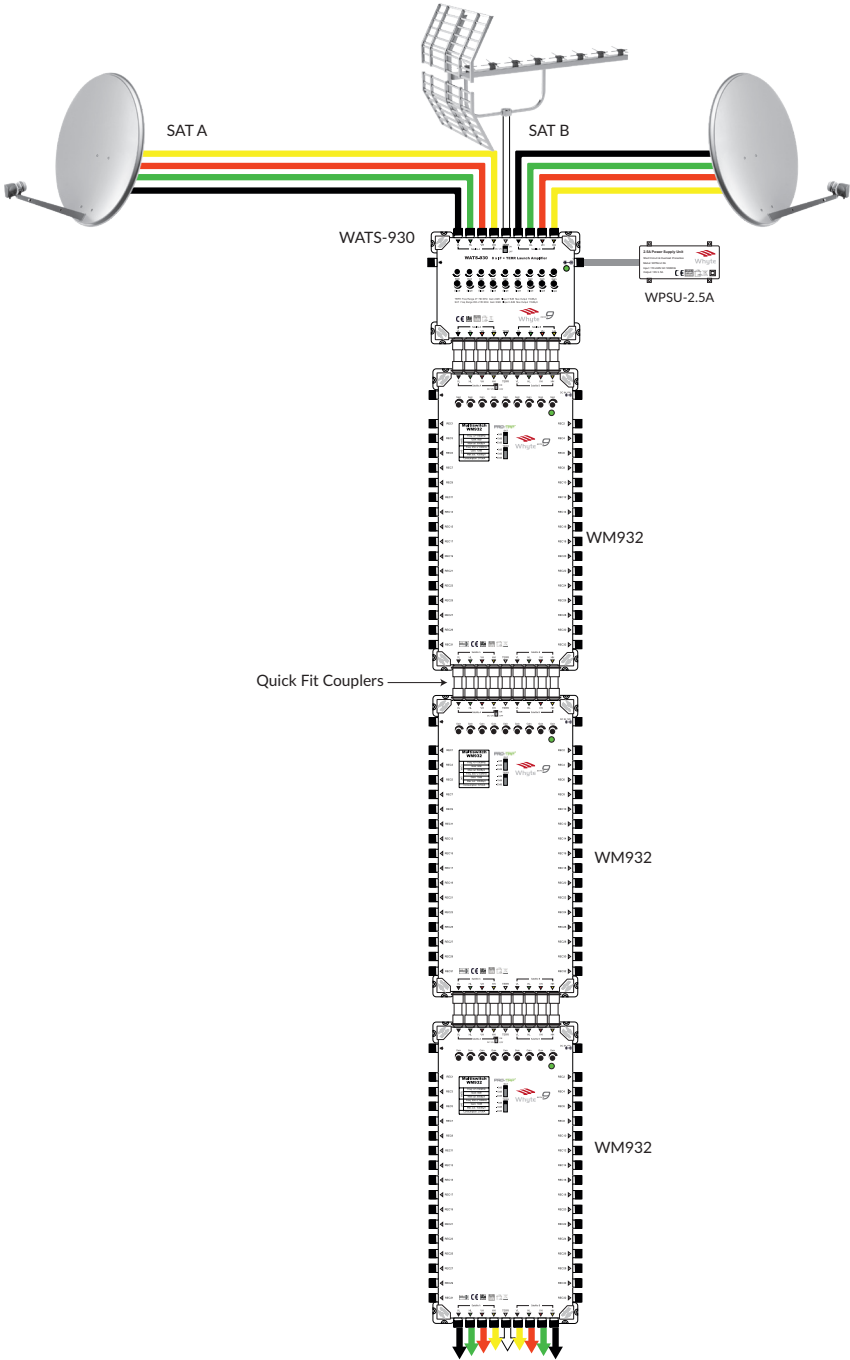
A Whyte™ Power Supply Unit may be connected to the 18V Auxiliary Input which will pass power upwards and downwards via the HH and HL lines. All IF trunk lines are DC passing in both directions.

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



- 4 Years Warranty
- Red Compliant
- 9 x SAT + 1 x TERR Input & Outputs
- Gain Control to all inputs
- Comes with Earth Bars fitted
- Use as standalone when powered with a Whyte PSU
- Slope Control to all inputs
- Switchable 12V DC Supply to Terrestrial input
- LTE Filter rejects 4G interference
- Colour coded inputs & outputs
- Compact size
- 18V Auxiliary Input powers the amplifier & injects power to the HL & HH trunk



(RED)
COMPLIANT

The RED Compliant 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 of Series 9 Multiswitches using F-type couplers.

MODEL		WATS-930
Frequency	SAT	950-2150MHz
	TERR	87-790MHz
Inputs (F-Type Connector)		8 SAT + 1 TERR
Outputs (F-Type Connector)		8 SAT + 1 TERR
Gain	SAT	>30dB
	TERR	>24dB
Gain Control	SAT	15dB±2dB
	TERR	10dB±2dB
Slope Control	SAT	8dB±2dB
	TERR	8dB±2dB
4G Internal Filter		YES
TERR 12V DC Supply (switchable)		100mA
Input/Output Return Loss	SAT	>8dB
	TERR	>8dB
Max Output Level	SAT (IMA ² -35dB) EN50083-3	112dBμV
	TERR (IMA ² -60dB) EN50083-5	112dBμV
LNB Power Supply Max		2A
Trunk DC Pass	SAT (per trunk)	YES 2A Max
	TERR	NO
Powering	Via DC In	YES
	Via HL + HH SAT Trunks	YES
Input Earth Terminal Bar		YES
Earth Lug (F-Type connector with clamp)		Up to 6mm ² core
Power Indication		LED
Power Consumption		380mA Max
Dimensions including Earth Bars W x L x H (mm)		172 x 152 x 43
Weight		640g



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