



Launch Amplifier

INSTRUCTION MANUAL

WATS-1730



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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™ Series 17 Launch Amplifier is a 16 x IF plus 1 x Terrestrial Launch Amplifier. The WATS-1730 provides a gain of 30dB to all Satellite inputs and a gain of 24dB on Terrestrial.

All inputs are colour coded and each come fitted with individual Gain Control and Slope Control. An Earth Terminal Bar comes fitted to the input of the amplifier as standard to save on installation time.

The Whyte™ Series 17 Launch Amplifier may be utilised as a Launch Amplifier or a Line Amplifier depending on the specific IRS system design requirements.

The Whyte™ WATS-1730 Launch Amplifier may be utilised as a Launch Amplifier as well as a Line Amplifier further along the trunk.

The WATS-1730 Launch Amplifier may be powered directly via the 18V DC IN or be line powered. A Whyte™ PSU may be inserted at any point along the trunk as all Whyte™ Series 17 Launch Amplifiers, Multiswitches and Splitters have an 18V DC input.

The Whyte™ Series 17 range is compatible with all Whyte Power Supply Units. Please ensure that you use a suitably rated or suitable number of PSU's depending on your system current requirements.

TECHNICAL DESCRIPTION

Whyte™ Series 17 Launch Amplifiers may be powered directly via the 18V Auxiliary Input or line powered via the HH and HL trunk lines. A Whyte™ Power Supply Unit may be connected to the 18V Auxiliary Input which will power the amplifier as well as pass power upwards and downwards via the HH and HL lines.

All SAT trunk lines are DC passing in both directions. The SAT 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.

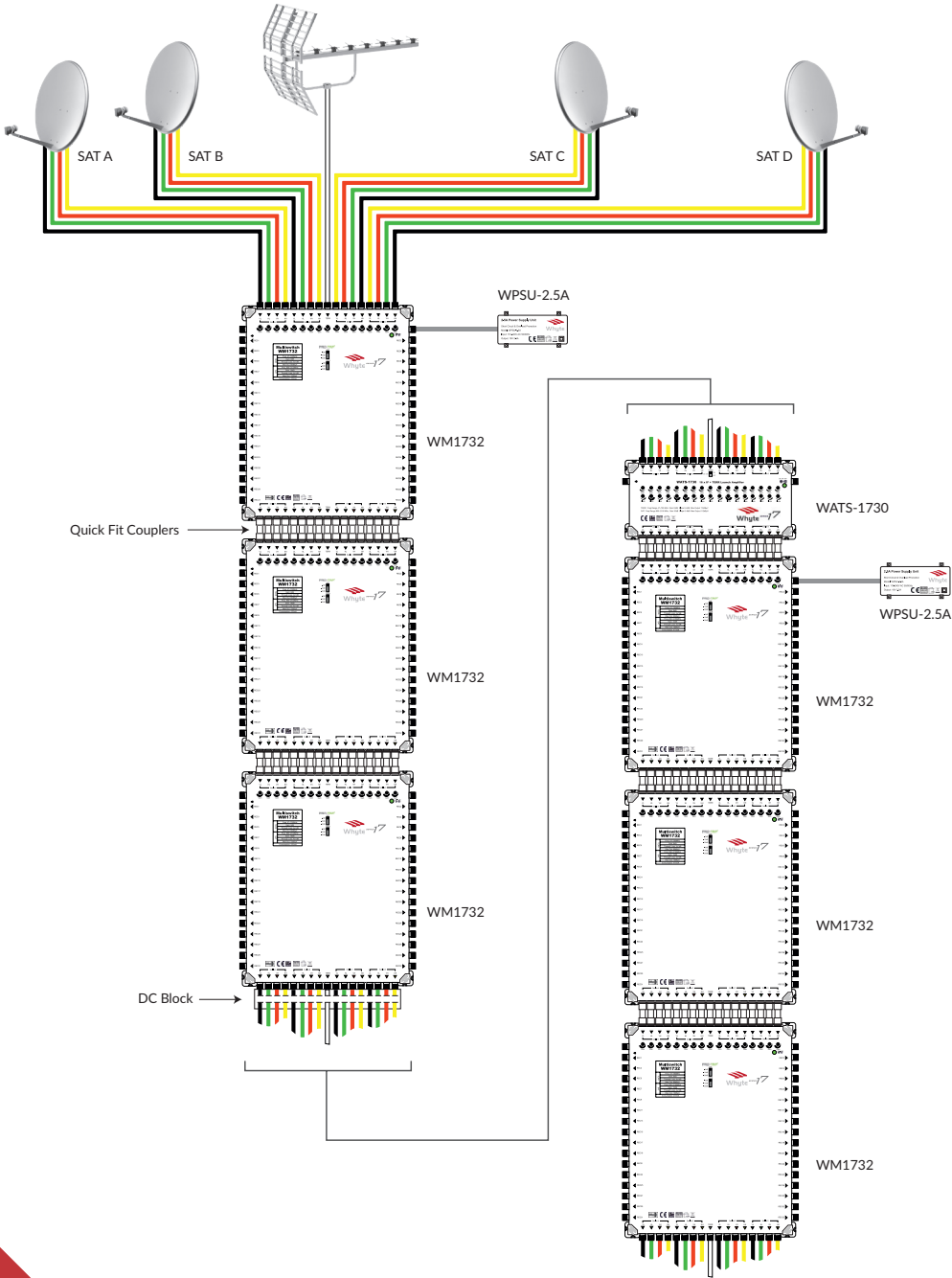
A switchable 12V supply is provided to power a mast amplifier via the Terrestrial input if required. If a mast amplifier is not present this must be left in the off position.

The Whyte™ Series17 range is compact due to the zigzag layout of the input and output terminals. Therefore an F connector tool should be used to fit the input and output cables.

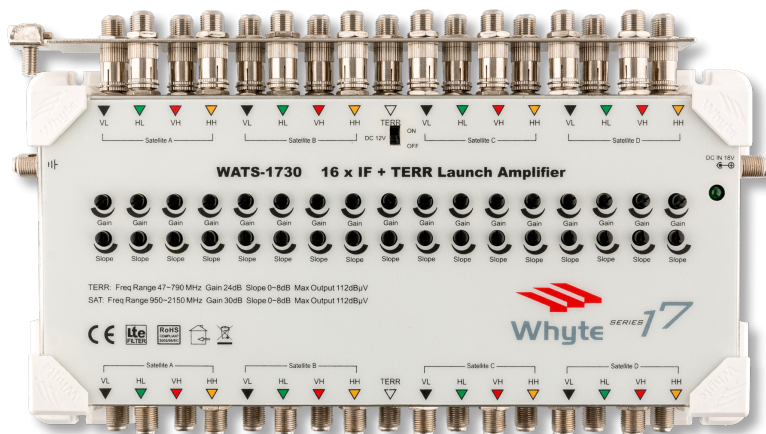
Do not over tighten the F connectors (finger tight only).

EXAMPLE CONFIGURATION

17 WIRE SINGLE TRUNK CASCADE CONFIGURATION



- 4 Years Warranty
- 16 x SAT + 1 x TERR inputs & outputs
- Comes with input Earth Bar
- Gain Control to all inputs
- Switchable 12V DC Supply to Terrestrial input
- LTE Filter rejects 4G interference
- Colour coded inputs & outputs
- Compact size
- Slope Control to all inputs
- 18V Auxiliary Input powers the amplifier & injects power to the HL & HH trunk



The Whyte WATS-1730 is a 16 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-1730 Launch Amplifier can be connected directly to a cascade Series 17 Multiswitches using F-type couplers.

MODEL		WATS-1730
Frequency	SAT	950-2150MHz
	TERR	47-790MHz
Inputs (F-Type Connector)		16 SAT + 1 TERR
Outputs (F-Type Connector)		16 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		680mA Max
Dimensions including Earth Bars W x L x H (mm)		154 x 274 x 43
Weight		1054g



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