



# Series 9 Tap & Splitter

## INSTRUCTION MANUAL

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**WT91-10 | WS92-05**



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

# CONTENTS

Safety	3
Precautions	3
Guarantee	3
General Description	4
Technical Description	5
Example Configuration	6
Specifications	7

## SAFETY

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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 4mm<sup>2</sup> diameter earth cable.

## PRECAUTIONS

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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<sup>2</sup>. 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

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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

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### WT91-10

Whyte Series 9 Taps are part of the range of 9 wire passive devices that distribute IF and Terrestrial Signals.

The Trunk inputs are on the top of the unit. The Tap outputs are located on the bottom of unit as indicated on the device label. The Trunk output is on the left hand side. The connector spacing directly interfaces with other Whyte Series 9 products.

Each Whyte Series 9 Tap comes complete with 9 F-Type couplers to enable quick interconnection with Whyte Series 9 products. To achieve a compact design, the SAT/TERR inputs and outputs are in a close zig-zag formation.

### WS92-05

The Whyte Series 9 Splitter is a passive device designed to be used with the Whyte Series 9 IRS Multiswitch Range. The WS92-05 Splitter comes with 9 F-type Couplers for quick & easy insertion in to a cascade of Series 9 Multiswitches.

# TECHNICAL DESCRIPTION

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## WT91-10

Whyte Series 9 Taps are DC passing on all IF Trunk Lines. The HL and HH Tap Lines are DC passing while the VL, VH and Terrestrial Tap Lines are isolated. An 18V DC input is provided to inject DC on the HL and HH Trunk and Tap lines upwards and downwards.

A Green LED indicates the presence of power on the HL and HH trunk lines.

Whyte Series 9 Taps, Splitters and Multiswitches can be used to configure small to large 9 wire Integrated Reception Systems (IRS) to suit your application.

## WS92-05

The Whyte™ Series 9 Splitter is DC passing through all SAT Inputs and Outputs. Whilst the WS92-05 Splitter does not require power to function (passive device), it has an Auxiliary 18V Input, which enables a Whyte™ Power Supply Unit to be connected thus serving as a convenient DC injector.

The Auxiliary Input injects 18V DC on to the HH and HL trunk lines upwards and downwards.

A Green LED indicates the presence of power on the HL and HH Trunk Lines. The Whyte™ Series 9 range is compact due to the zig-zag layout of the Input and Output Terminals.

Therefore, an F Connector Tool (F Connector Screwdriver) should be used to connect the input and output cables. Do not over tighten the F connectors (finger tight only).

Each Series 9 Splitter comes complete with 9 F Type Couplers to enable quick and easy interconnection to Series 9 Multiswitches and Amplifiers.

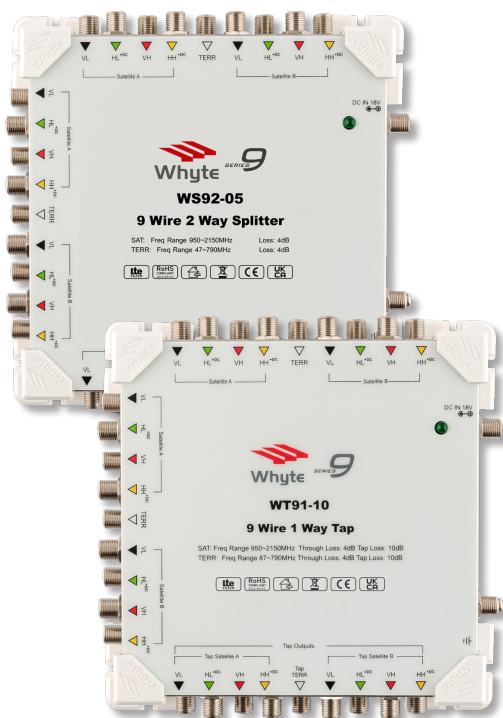


- 4 Years Warranty
- 8 SAT + 1 TERR Inputs
- 2 x 8 SAT + 1 TERR Outputs
- LTE Filter rejects 4G interference
- 18V Auxiliary Input injects power to the HL & HH trunk lines
- Green LED indicates DC power present
- Compact size
- Colour coded inputs & outputs
- Comes with 9 F-Type couplers for easy connection to all Series 9 products

The Whyte Series 9 Splitter WS92-05 is a passive device designed to be used with the Whyte Series 9 IRS Multiswitch Range.

The WT91-10 10db Tap enables further flexibility for your system design.

The WS92-05 Splitter and WT91-10 Tap comes with 9 F-Type Couplers for easy connection to a cascade of Series 9 Multiswitches.



MODEL		WT91-10	WS92-05
Frequency	SAT	950-2150MHz	950-2150MHz
	TERR	87-790MHz	87-790MHz
Inputs (F-Type Connector)		8 SAT + 1 TERR	8 SAT + 1 TERR
Outputs (F-Type Connector)		2x 8 SAT + 2x TERR	2x 8 SAT + 2x TERR
DC Input (Injection of DC applied to)		SAT Trunk HL + HH	SAT Trunk HL + HH
DC Pass Trunk to Tap	SAT	YES	YES
	TERR	NO	NO
DC Pass Trunk to Trunk	SAT	YES	..
	TERR	NO	..
Trunk Through Loss	SAT	2dB±1dB	..
	TERR	2dB±1dB	..
Tap Loss	SAT	10dB	4dB±1dB
	TERR	10dB	4dB±1dB
Fixed Slope Tap (SAT)		4dB	4dB
Isolation		>30dB	>30dB
Max Current Pass (Trunk/Trunk Trunk/Tap)		2A	2A
Power Indication		LED	LED
Dimensions W x L x H (mm)		175 x 175 x 43	175 x 175 x 43
Weight		514g	600g



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