



5 Wire Taps & Splitters

INSTRUCTION MANUAL

WT51-10 | WT51-20 | WT52-10 | WT52-20
WT53-10 | WT53-20 | WT52-05



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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

Whyte Series 5 Taps & Splitters are a range of 5 wire passive devices that distribute IF and Terrestrial Signals. The range includes 1 way, 2 way and 3 way Taps with either 10dB or 20dB tap-offs and a 2 way Splitter with 2 x 4dB tap-offs.

For ease of installation, each Tap & Splitter comes complete with colour coded 600mm F-type leads which enables the Multiswitch to be positioned either side of the Tap as well as vertically or horizontally to suit the available space.

The Tap outputs are located on the top of the unit to make installation and servicing easier. A Green LED indicates the presence of power on the HL and HH trunk lines.

TECHNICAL DESCRIPTION

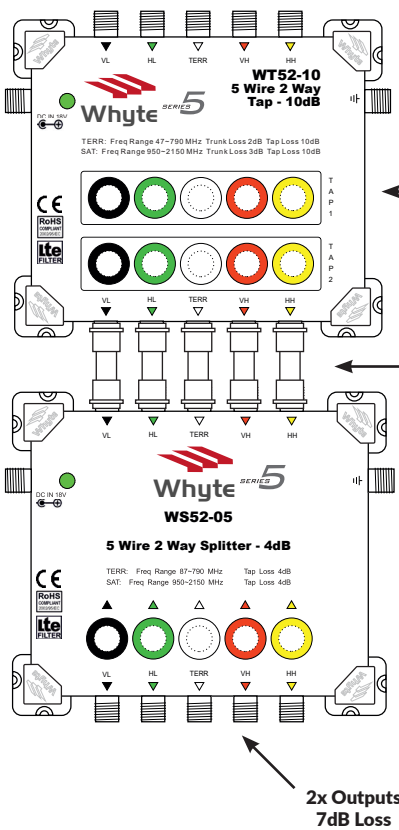
Whyte Series 5 Taps and Splitters are DC passing on all IF Trunk Lines. The HL and HH Tap Lines are DC passing whilst the VL, VH and Terrestrial Tap Lines are isolated.

An Auxiliary 18V Input is provided on all Taps and Splitters which enables a Whyte Power Supply Unit to be conveniently connected anywhere on the system. The Auxiliary Input injects 18V DC on to the HH and HL trunk lines upwards and downwards.

Whyte Series 5 Taps and splitters can be coupled together to create a multitude of 5 wire splitters with various combinations of outputs and tap losses as can be seen below.

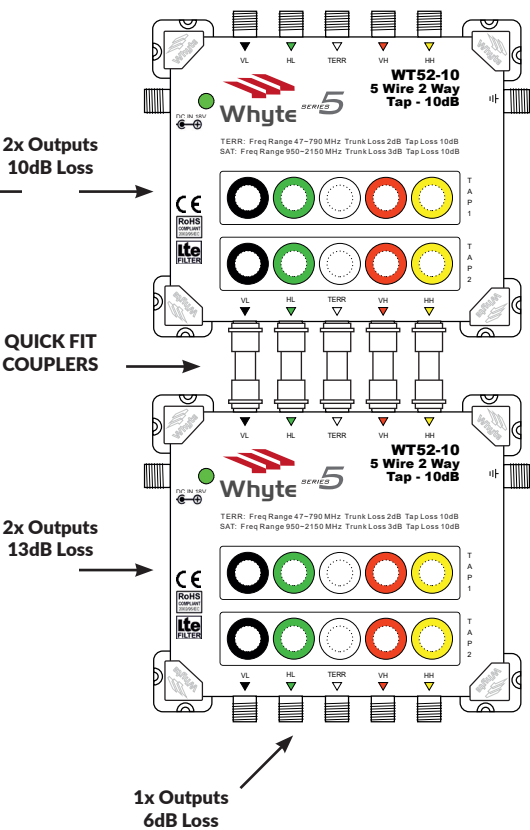
EXAMPLE 5 WIRE 4-WAY SPLITTER

WT52-10
+
WS52-05

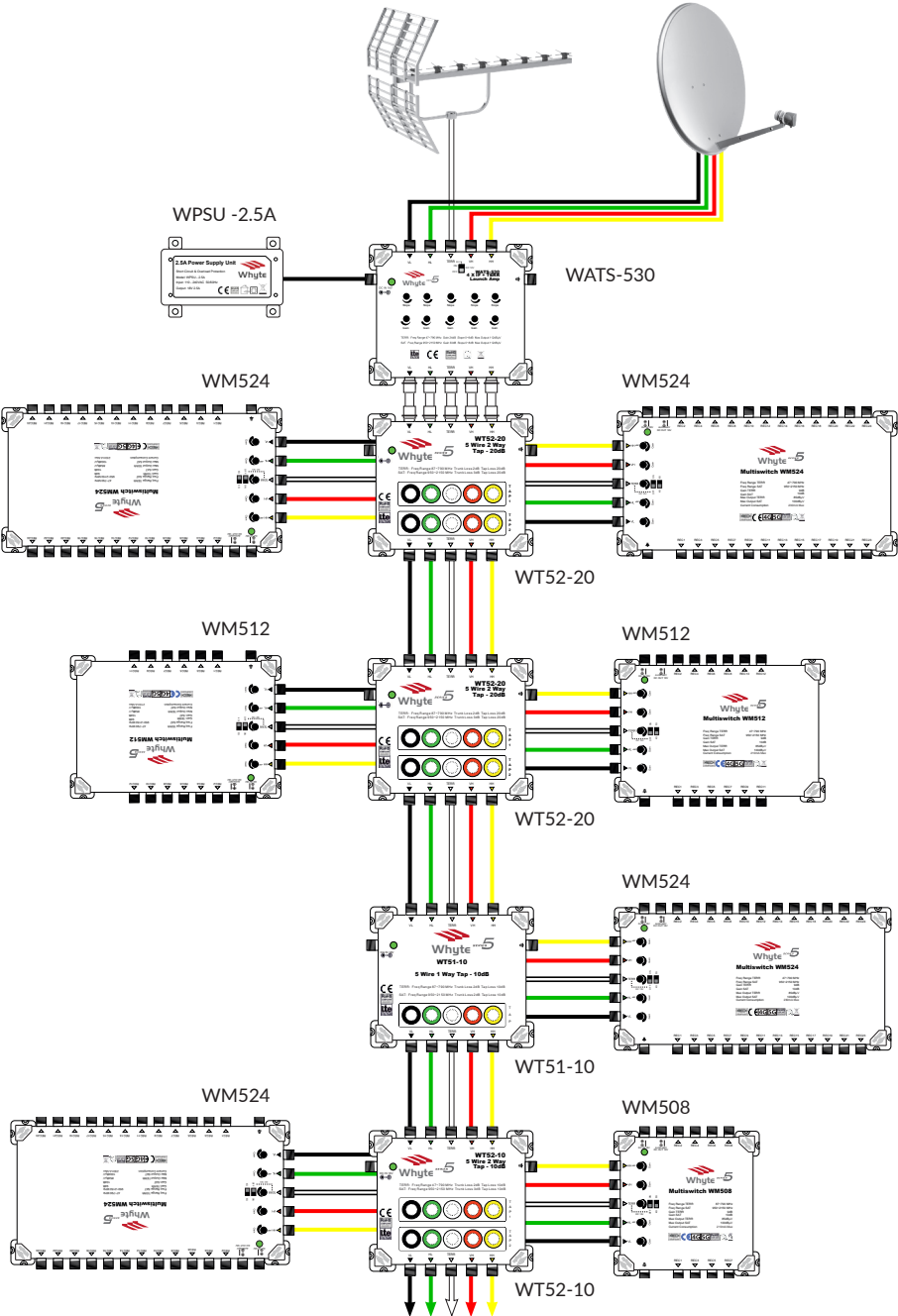


EXAMPLE 5 WIRE 5-WAY SPLITTER

WT52-10
+
WT52-10



EXAMPLE CONFIGURATION

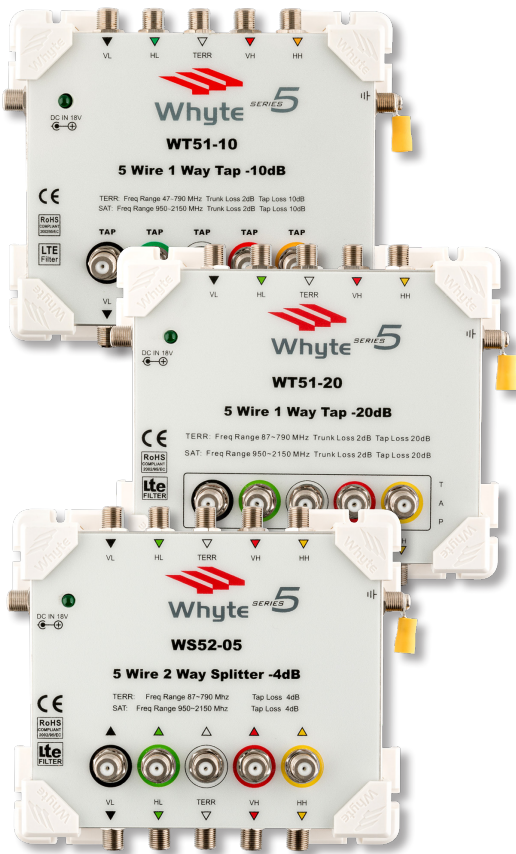


SPECIFICATION

- 4 Years Warranty
- Inbuilt LTE filter
- LED power indicator
- Colour coded inputs and outputs
- Comes with high quality colour coded leads included
- Tap outputs on top of unit for easy access
- Auxiliary 18V Input injects power to HL & HH trunk cables
- Taps and Splitters can be connected together to create a multitude of splitters with varying attenuation levels

Whyte Series 5 Taps & Splitters are a range of 5 wire passive devices that distribute Satellite and Terrestrial Signals. The range includes 1 way, 2 way and 3 way Taps with either a 10dB or 20dB tap off and a 2 way Splitter. For ease of installation, each unit comes complete with high quality colour coded 600mm F-type leads.

This enables the Multiswitches to be positioned either side of the Tap or Splitter, and to be orientated vertically or horizontally depending on available space.



MODEL		WT51-10	WT51-20	WS52-05
Frequency	SAT	950-2150MHz	950-2150MHz	950-2150MHz
	TERR	87-790MHz	87-790MHz	87-790MHz
Inputs (F-Type Connector)		4 SAT + 1 TERR	4 SAT + 1 TERR	4 SAT + 1 TERR
Outputs (F-Type Connector)		2x 4 SAT + 2x TERR	2x 4 SAT + 2x TERR	2x 4 SAT + 2x TERR
DC Input (Injection of DC applied to)		HL + HH SAT	HL + HH SAT	HL + HH SAT
DC Pass Trunk to Tap	SAT	YES	YES	YES
	TERR	NO	NO	NO
DC Pass Trunk to Trunk	SAT	YES	YES	--
	TERR	NO	NO	--
Trunk Through Loss	SAT	2dB±1dB	2dB±1dB	--
	TERR	2dB±1dB	2dB±1dB	--
Tap Loss	SAT	10dB	20dB	4dB±1dB
	TERR	10dB	20dB	4dB±1dB
Fixed Split Taps (SAT)		4dB	4dB	4dB
Isolation		>30dB	>30dB	>30dB
Max Current Pass (Trunk/Trunk Tap)		2A	2A	2A
Power Indication		LED	LED	LED
Dimensions W x L x H (mm)		156 x 136 x 43	156 x 136 x 43	156 x 136 x 43
Tap Leads Included		YES - 1 Set	YES - 1 Set	YES - 1 Set
Weight		384g	376g	376g

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