

- 4 Years Warranty
- High Isolation
- Tap outputs on side for easy push fit
- Auxiliary 18V Input injects power to all SAT lines
- LED power indicator
- Colour coded inputs and outputs
- Inbuilt LTE filter
- Features Trunk EQ

A range of passive, 5 wire WB and Quattro compatible Taps and Splitters. The Whyte Series 5 WB range of Taps are available in 1-way and 2-way with 10dB or 20dB Tap attenuation as well as a 2-way Splitter.

The Series 5 WB Taps and Splitter can be directly connected to Series 5 and Series D dSCR Multiswitches using the supplied push fit connectors which reduces installation time.

The Whyte Series 5 WB Taps and Splitter feature our intelligent trunk equalisation technology Trunk EQ for flat trunk output.

This industry first enables longer cascades to be created for Quattro or Wideband IRS distribution systems.



### What is Trunk EQ?

We are all too aware of the age-old issue of slope. In the case of Taps, the satellite L band spectrum (950 - 2150MHz) becomes increasingly sloped with the addition of each Tap into an IRS trunk. Till now IRS engineers have used slope control that's built into amplifiers to counteract this, but this can only go so far in correcting the issue. With the introduction of Wideband (WB) LNB's the issue of slope has been exacerbated as the WB spectrum is, as the name suggests, even wider at 290MHz - 2340MHz!

The disparity of Digital Channel Power (DCP) between transponders in band should not exceed 10dB. Unfortunately, we see more than this level of disparity off-air at the LNB. Add to that the slope incurred and with the addition of each Tap slope can quickly become a major problem.

To address this issue Whyte Technologies created a new range of 5 wire WB/Quattro Taps with Trunk EQ. Developed by Whyte Technologies, Trunk EQ is an inbuilt Trunk Equaliser that provides equal through loss at all frequencies between 290MHz - 2340MHz which results in no slope being introduced.



MODEL		WT52-10WB	WT52-20WB	WS52-05WB
Frequency	SAT	290-2340MHz	290-2340MHz	290-2340MHz
	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)		3x 4 SAT + 3x TERR	3x 4 SAT + 3x TERR	2x 4 SAT + 2x TERR
DC Input (Injection of DC applied to)		All SAT Trunk & Tap	All SAT Trunk & Tap	All SAT Trunk & Tap
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
Trunk EQ		YES	YES	YES
Isolation		>30dB	>30dB	>30db
Max Current Pass (Trunk/Trunk Trunk/Tap)		2A	2A	2A
Power Indication		LED	LED	LED
Dimensions W x L x H (mm)		156 x 150 x 43	156 x 150 x 43	156 x 150 x 43
Weight		396g	396g	364g