

SZB Headend Station

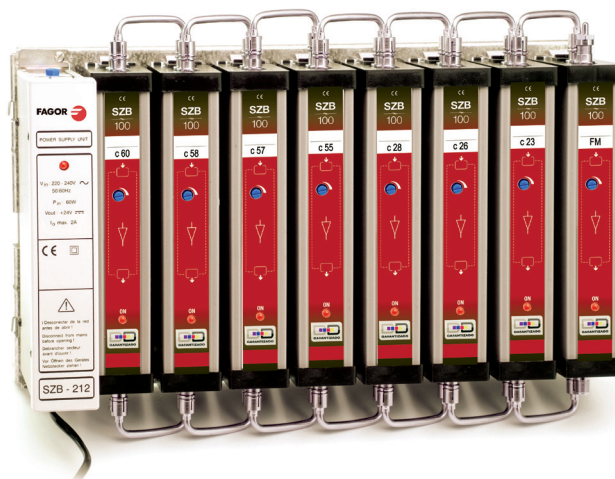
MODULAR TV AND RADIO
CHANNEL AMPLIFICATION
HEADEND

Single-channel and multi-channel TV amplifiers, modulators and IF-SAT combiner ready for Digital Dividend applications.

APPLICATION

Single-channel and multi-channel amplifiers

- Manufacturing processes have been optimized with finer adjustments to achieve high selectivity and excellent flatness.
- Z-input demultiplexing and Z-output multiplexing. Adjacent-channel amplification in the UHF band.
- FM and DAB radio amplifiers.
- In an SZB headend, the amplifiers should be arranged in ascending channel order. The output is taken from the last amplifier.
- Specially designed for the combined amplification of analogue and digital TV channels.
- AC mains power supplies. +24 VDC output automatically connected to the RF modules through the contact bus integrated into the mounting base.
- Tool-free installation on wall-mount support bases.



MODEL		SZB-128	SZB-168
Reference		2293	3160
Covered band		FM	DAB
Gain ^{3,4}	dB	30	53
Noise figure	dB	7,5	8
Output level EN 50083-3, -35dB	dBμV	(2x) 113 IMD -50dB	
Z output return loss	dB	≥ 6	
Current consumption	mA	80	100
Dimensions	mm		

SZB-148: High selectivity for adjacent or non-adjacent analogue and digital channels.

Each amplifier is supplied with one Z bridge (2247).

¹ Also available for channel S3 to S18.

² Also available for channel S19 to S38.

³ Adjustable from -20 dB (-30 dB on the SZB-148). Interstage attenuator on all models to maintain a low noise figure.

⁴ For VHF amplifiers, subtract 3.5 dB when Z-input demultiplexing is used.

For UHF amplifiers, the specified gain applies whether or not demultiplexing is used. Without demultiplexing, the unused input connector must be terminated with a 75 Ω load.

Specify the required TV channel when ordering the amplifiers.