

Terrestrial Distribution Amplifiers

APPLICATION
NOTES

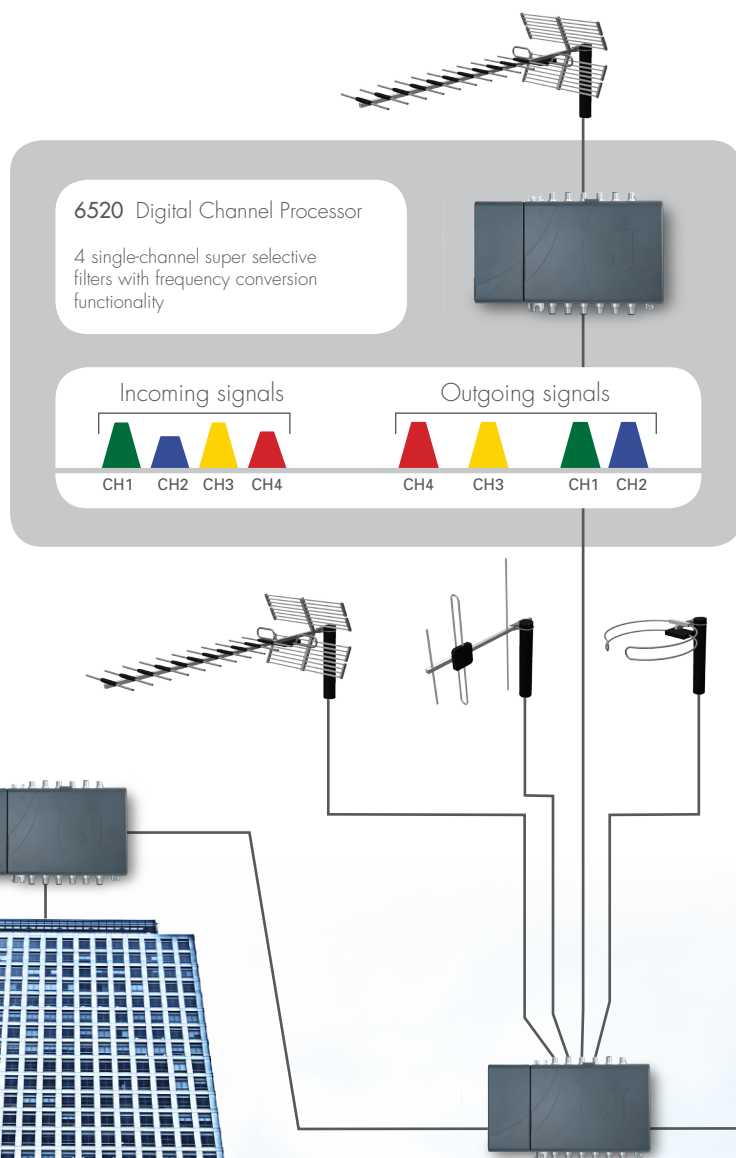


HIGH EFFICIENCY



DISTRIBUTION OF EQUALISED CHANNELS

The new range of Johansson amplifiers offer the ideal solution for distributing your terrestrial signals. With equalising and converting your desired channels (with 6520 digital channel processor) all custom setups can be realised. The amplifiers are fully LTE-ready and have a high gain, ensuring a perfect signal quality throughout the building. Thanks to the new technologies used, the amplifiers are far more efficient than their predecessors.

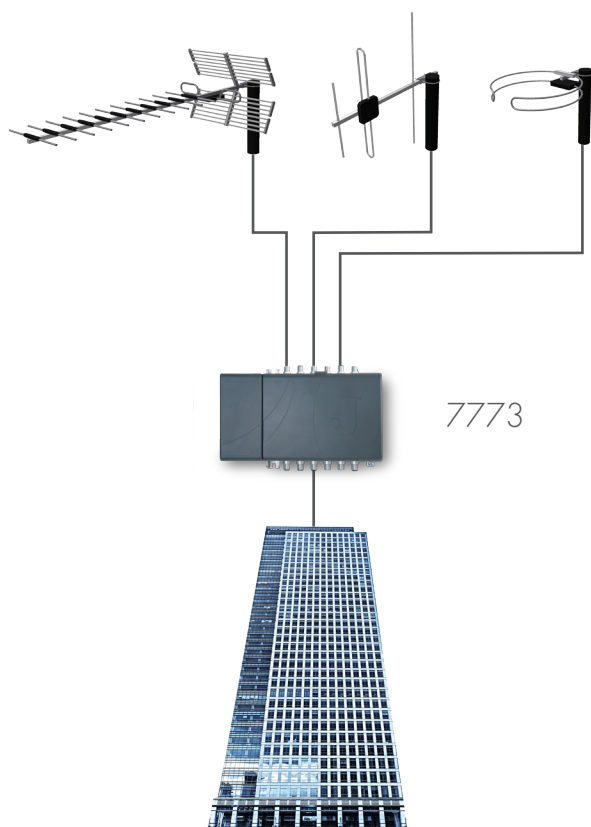


CATV APPLICATIONS - INTERNET SOLUTIONS

The 7774 – 7775 amplifiers have the solution for your CATV applications and internet acces through your building. Both amplifiers have VHF-UHF input with return path (5-65 MHz).



FULL RANGE OF DISTRIBUTION SOLUTIONS



- ▶ 3/4 inputs
- ▶ VHF-UHF input with return path (ref. 7774, 7775)
- ▶ split-band amplifiers with interstage attenuators and dynamic range of 30 dB
- ▶ high gain (up to 40 dB), high output power (>122 dBμV)
- ▶ slope adjustment on VHF-UHF and UHF inputs (ref. 7774, 7775)
- ▶ high input power: up to 110 dBμV (saturation of input virtually impossible)
- ▶ 5/12 VDC switchable remote voltage to power a preamplifier
- ▶ thanks to the new technology used, the efficiency of the amplifiers is 400% better compared to older amplifiers!
- ▶ green solution: 5,5W for high power model / <3W for mid and low-power models
- ▶ zamak diecast housing
- ▶ detachable power supply included
- ▶ -30 dB test output

		7773	7774	7775
Inputs	-	FM BIII/DAB UHF	FM BIII/DAB UHF VHF-UHF	FM BIII/DAB UHF VHF-UHF
Frequency range	MHz	FM: 88-108 BIII/DAB: 174-240 UHF: 470-790	FM: 88-108 BIII/DAB: 174-240 UHF: 470-790 VHF-UHF: 5-1000 (RP: 5-65)	FM: 88-108 BIII/DAB: 174-240 UHF: 470-790 VHF-UHF: 5-1000 (RP: 5-65)
Gain	dB	FM: 8 to 30 BIII/DAB: 8 to 30 UHF: 20 to 40	FM: -12 to 20 BIII/DAB: -12 to 20 UHF: -4 to 26 VHF-UHF: -4 to 26	FM: 0 to 32 BIII/DAB: 0 to 32 UHF: 5 to 40 VHF-UHF: 5 to 40
Return path loss	dB	-	-2	-2
Slope adjustment	dB	-	VHF-UHF: -18 to -8	VHF-UHF: -18 to -8
Max. input power	dBμV	90	110	110
Max. output power	dBμV	110	116	>122
Noise figure	dB	FM: 9 BIII/DAB: 9 UHF: 6	FM: 8 BIII/DAB: 7 UHF: 5 VHF-UHF: 6,5	FM: 8 BIII/DAB: 7 UHF: 5 VHF-UHF: 6,5
Return loss	dB	>10	>10	>10
Remote power	-	UHF: 5 VDC (200 mA) /12 VDC (100 mA)	BIII/DAB: 5 VDC (200 mA) /12 VDC (100 mA) UHF: 5 VDC (200 mA)/12 VDC (100 mA)	BIII/DAB: 5 VDC (200 mA) /12 VDC (100 mA) UHF: 5 VDC (200 mA)/12 VDC (100 mA)
Supply voltage	VAC	200-264	200-264	200-264
Power consumption	W	1,5	3	5,5
Dimensions	mm	238 x 152 x 55		