



Exir **Broadcasting**



PATCH PANELS & SPLITTERS

Broadcasting Products #04

Patch Panels & Splitters

Exir Broadcasting provides you with everything you need to build truly flexible broadcasting systems. We offer both standard and customised patch panels, antenna switches and power splitters that will make your job both faster and easier without compromising system reliability.

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Patch Panels



Standard and Customised Solutions

PRODUCT FEATURES

- Customised
- Wall-, floor-, combiner- and 19" rackmounted
- For FM, DAB, VHF and UHF
- Easy-switched links



PRODUCT PROFILE

Patch panels are used to switch the signal flow between different transmitters, antenna halves and station loads. Exir Broadcasting offers patch panels with various numbers of ports, and in most types and dimensions. A number of standard models are available as listed below, but normally units are unique and designed according to customer specifications. The panels are constructed with sturdy frames for mounting either on the floor, on combiner units, on the wall or in a 19" rack. Available with directional couplers and micro switch (interlock).

TYPICAL PERFORMANCE OF PATCH PANEL

POWER RATING	As per our power rating diagram (see Rigid Line)
IMPEDANCE	50 Ohm
VSWR	<1.05 (<32 dB)
INSERTION LOSS	<0.1 dB
ISOLATION, ANY PORT	>70 dB
OPERATING TEMPERATURE	-10 °C to 50 °C
CONFIGURATION	Manually operated patch panel. Contains Ulink, connecting kits (incl. clamps).
INTERLOCKS	1 - 4 x micro switches/u-link (up to 10 on request). Micro switches wired to a terminal block fixed on the backside of the panel.

U-LINK PATCH PANELS. All versions are available with interlocking on request. Customised versions on request.

ARTICLE	DIMENSION	PORTS	FRAME / RACK	FREQUENCIES
ULI4-R158-AB00	1 5/8"	3-ports	Frame mounted	0 - 1000 MHz
ULI4-158R-AD00	1 5/8"	3-ports	19" rack mounted	0 - 1000 MHz
ULI4-158R-AE00	1 5/8"	4-ports	19" rack mounted	0 - 1000 MHz
ULI4-158R-AC00	1 5/8"	6-ports	19" rack mounted	0 - 1000 MHz
ULI0-158R-AB00	1 5/8"	11-ports	19" rack mounted	0 - 1000 MHz
ULI4-R318-AB00	3 1/8"	3-ports	Frame mounted	0 - 1000 MHz
ULI4-318R-AA00	3 1/8"	3-ports	19" rack mounted	0 - 1000 MHz
ULI4-318R-AC00	3 1/8"	4-ports	19" rack mounted	0 - 1000 MHz
ULI4-318R-AD00	3 1/8"	6-ports	19" rack mounted	0 - 1000 MHz
ULI4-318R-AE00	3 1/8"	7-ports	19" rack mounted	0 - 1000 MHz
ULI4-412R-AB00	4 1/2"	3-ports	19" rack mounted	0 - 1000 MHz
ULI4-412R-AA00	4 1/2"	4-ports	19" rack mounted	0 - 1000 MHz
ULI4-098R-AD00	RL98	3-ports	19" rack mounted	0 - 1000 MHz
ULI4-098R-AB00	RL98	4-ports	19" rack mounted	0 - 1000 MHz
ULI4-098R-AE00	RL98	5-ports	19" rack mounted	0 - 1000 MHz
ULI4-098R-AC00	RL98	6-ports	19" rack mounted	0 - 1000 MHz
ULI4-120R-AA00	Nax120	3-ports	19" rack mounted	0 - 862 MHz
ULI4-618R-AA00	6 1/8"	6-ports	Frame mount	0 - 600 MHz

Splitter Panels

Standard and Customised Solutions



PRODUCT FEATURES

- Customised
- Wall-, floor-, combiner- and 19" rackmounted
- For FM, DAB, VHF and UHF
- Easy-switched links

PRODUCT PROFILE

Exir Broadcasting offers patch splitter panels with various numbers of ports, and in most types and dimensions. A number of standard models are available as listed below, but normally units are unique and designed according to customer specifications. The panels are constructed with sturdy frames for mounting either on the floor, on combiner units, on the wall or in a 19" rack. Available with directional couplers and micro switch (interlock).



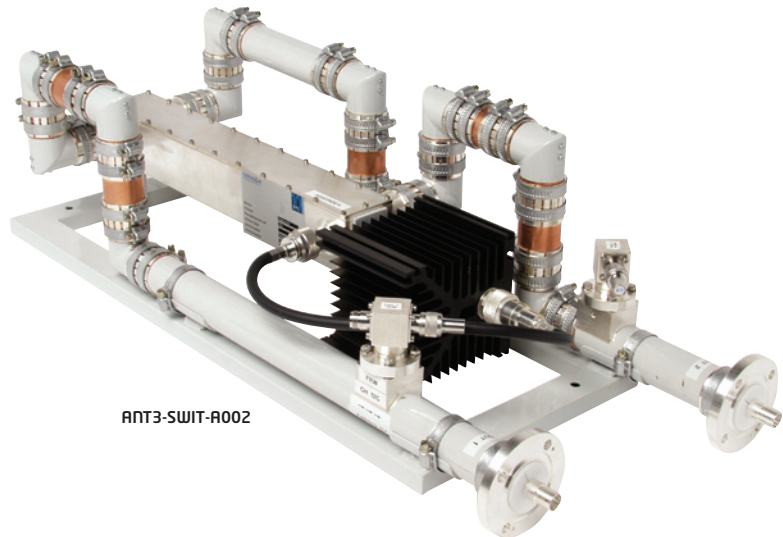
SPLITTER PANELS All versions are available with interlocking on request. Customised versions on request.						
ARTICLE	DIMENSION	PORTS	POWER @max freq.	SPLITTER	FRAME / RACK	FREQUENCIES
BAND II						
ULS2-158R-AB00	1 5/8"	6-ports	15 kW	T-splitter	19" rack mounted	87 - 108 MHz
ULS2-158R-AA00	1 5/8"	11-ports	15 kW	3dB-coupler	Frame mounted	87 - 108 MHz
ULS2-318R-AA00	3 1/8"	6-ports	44 kW	T-splitter	19" rack mounted	87 - 108 MHz
ULS2-318R-AB00	3 1/8"	6-ports	44 kW	T-splitter (8 MHz BW)	19" rack mounted	87 - 108 MHz
ULS2-098R-AA00	RL98	6-ports	68 kW	3dB-coupler	19" rack mounted	87 - 108 MHz
ULS2-098R-AB00	RL98	6-ports	68 kW	T-splitter	19" rack mounted	87 - 108 MHz
ULS2-618R-AA00	6 1/8"	6-ports	200 kW	T-splitter	Frame mounted	87 - 108 MHz
BAND IV/V						
ULS4-R158-AA00	1 5/8"	6-ports	5 kW	3dB-coupler	Frame mounted	470 - 862 MHz
ULS4-158R-AE00	1 5/8"	6-ports	5 kW	3dB-coupler	19" rack mounted	470 - 862 MHz
ULS4-158R-AG00	1 5/8"	6-ports	5 kW	T-splitter	19" rack mounted	470 - 862 MHz
ULS4-158R-AF00	1 5/8"	7-ports	5 kW	T-splitter	19" rack mounted	470 - 862 MHz
ULS4-R318-AA00	3 1/8"	6-ports	15 kW	T-splitter	19" rack mounted	470 - 862 MHz
ULS4-318R-AB00	3 1/8"	7-ports	15 kW	T-splitter	19" rack mounted	470 - 862 MHz
ULS4-098R-AE00	RL98	6-ports	24 kW	3db-coupler	Combiner mounted	470 - 862 MHz
ULS4-098R-AH00	RL98	6-ports	24 kW	T-splitter	(19" rack mounted)	470 - 862 MHz
ULS4-098R-AF00	RL98	7-ports	24 kW	T-splitter	(19" rack mounted)	470 - 862 MHz
ULS4-098R-AG00	RL98	11-ports	24 kW	T-splitter	(19" rack mounted)	470 - 862 MHz
ULS4-412R-AA00	4 1/2"	8-ports	26 kW	T-splitter	Frame mounted	470 - 862 MHz
ULS4-R120-A0	Nax120	6-ports	36 kW	3dB-coupler	Combiner mounted	470 - 862 MHz
ULS4-R120-AC00	Nax120	6-ports	36 kW	T-splitter	Frame mounted	470 - 862 MHz
ULS4-120R-AD00	Nax120	8-ports	36 kW	T-splitter	Frame mounted	470 - 862 MHz

Antenna Switches

for Band II-III

BAND II

10
year
GUARANTEE



ANT3-SWIT-A002

PRODUCT FEATURES

- Based on hybrid technology
- U-link system
- Easy to switch between antennas
- Calibrated directional couplers on each output

PRODUCT PROFILE

Exir Broadcastings antenna switches for Band II-III make it very easy to switch between various antenna sub-systems. For example, transmitting can be switched from the complete antenna system to a single antenna half in just a matter of seconds. These switches are built on a stable frame suitable for wall mounting, which eliminates the need to occupy valuable floor space. They are also available with built-in directional couplers for measuring forward and reflective power.

BAND II					
ARTICLE	MAX INPUT POWER	IMPEDANCE	VSWR	INSERTION LOSS	STANDARD CONNECTORS
ANT2-SWIT-A001	12 kW	50 Ohm	<1.05	0.1 dB	EIA 1 5/8"
ANT2-SWIT-A002	40 kW	50 Ohm	<1.05	0.1 dB	EIA 3 1/8"
ANT2-SWIT-A003 (long)	40 kW	50 Ohm	<1.05	0.1 dB	EIA 3 1/8"
ANT2-SWIT-A004	40 kW	50 Ohm	<1.05	0.1 dB	RL 76
ANT2-SWIT-A005	60 kW	50 Ohm	<1.05	0.1 dB	RL 98

BAND III					
ARTICLE	MAX INPUT POWER	IMPEDANCE	VSWR	INSERTION LOSS	STANDARD CONNECTORS
ANT3-SWIT-A001	10 kW	50 Ohm	<1.05	0.1 dB	EIA 1 5/8"
ANT3-SWIT-A002 (DAB)	10 kW	50 Ohm	<1.05	0.1 dB	EIA 1 5/8"
ANT3-SWIT-A003	30 kW	50 Ohm	<1.05	0.1 dB	EIA 3 1/8"

Splitters

Standard Versions



PRODUCT FEATURES

- Broadband performance
- IP68-classified and water-pressure proof tested down to 25 m
- Gas tight
- Phase matched
- Can be used in both pressurized and non pressurized antenna systems

SPECIFICATIONS	
IMPEDANCE	50 Ohm
VSWR	<1.05 (>32 dB)
PRESSURIZED	Yes
WORKING TEMPERATURE	+55°C full performance +80°C reduced performance



BAND II					
ARTICLE	SPLITTER TYPE input - output	BAND	INPUT POWER	POWER OUT	
T2A2-716F-A0	Antenna transformer 7/16 - 2 x 7/16	II	3.2 kW rms	P=1,1	
T2A2-078F-A0	Antenna transformer 7/8" F - 2 x 7/16	II	4.5 kW rms	P=1,1	
T3A2-158F-A0	Antenna transformer 1 5/8" F - 3 x 7/16	II	10 kW rms	P=1,1,1	
T3A2-158F-B0	Antenna transformer 1 5/8" F - 3 x 7/16	II	7 kW rms	P=1,1,0.25	
T3A2-158F-C0	Antenna transformer 1 5/8" F - 3 x 7/16	II	8 kW rms	P=1,1,0.5	
T6A2-158F-A0	Antenna transformer 1 5/8" F - 6 x 7/16	II	14 kW rms	P=1,1,1,1,1,1	
T4C2-158F-B0	Antenna transformer 1 5/8" F - 4 x 13/30	II	14 kW rms	P=1,0.6,0.6,0.5	
T4C2-2966-A0	Antenna transformer 29/66 - 4 x 13/30	II	25 kW rms	P=1,1,1,1	
T6C2-318F-B0	Antenna transformer 3 1/8" F - 6 x 13/30	II	28 kW rms	P=1,1,0.9,0.9,0.3,0.3	
T2D2-318F-A0	Antenna transformer 3 1/8" F - 2 x 1 5/8" F	II	28 kW rms	P=1,1	
T3D2-318F-A0	Antenna transformer 3 1/8" F - 3 x 1 5/8" F	II	42 kW rms	P=1,1,1	
T4D2-318F-A0	Antenna transformer 3 1/8" F - 4 x 1 5/8" F	II	40 kW rms	P=1,1,1,1	
T2G2-318F-A0	Antenna transformer 3 1/8" F - 2 x 3 1/8" F	II	40 kW rms	P=1,1	

BAND III					
ARTICLE	SPLITTER TYPE input - output	BAND	INPUT POWER	POWER OUT	
T3A3-716F-A0	Antenna transformer 7/16 - 3 x 7/16	III	2.5 kW rms	P=1,1,1	
T6A3-716F-A0	Antenna transformer 7/16 - 6 x 7/16	III	2.5 kW rms	P=1,1,1,1,1,1	
T4A3-716F-A0	Antenna transformer 3 1/8" F - 4 x 7/16	III	10 kW rms	P=1,1,1,1	

BAND IV-V					
ARTICLE	SPLITTER TYPE input - output	BAND	INPUT POWER	POWER OUT	
T2A4-7160-A0	Antenna transformer 7/16 - 2 x 7/16	IV-V	1 kW rms	P=1,1	
T3A4-7160-A0	Antenna transformer 7/16 - 3 x 7/16	IV-V	1 kW rms	P=1,1,1	
T4A4-7160-A0	Antenna transformer 7/16 - 4 x 7/16	IV-V	1 kW rms	P=1,1,1,1	
T2A4-158F-A0	Antenna transformer 1 5/8" F - 2 x 7/16	IV-V	2 kW rms	P=1,1	
AT64-318F-AR00	Antenna transformer 3 1/8" F fixed - 6 x 7/8" F svivel	IV-V	7.5 kW rms	P=1,1,1,1,1,1	
AT64-318F-AB00	Ant. transf. 3 1/8" F fixed - 6 x 7/8" F svivel (threaded)	IV-V	7.5 kW rms	P=1,1,1,1,1,1	

Splitters



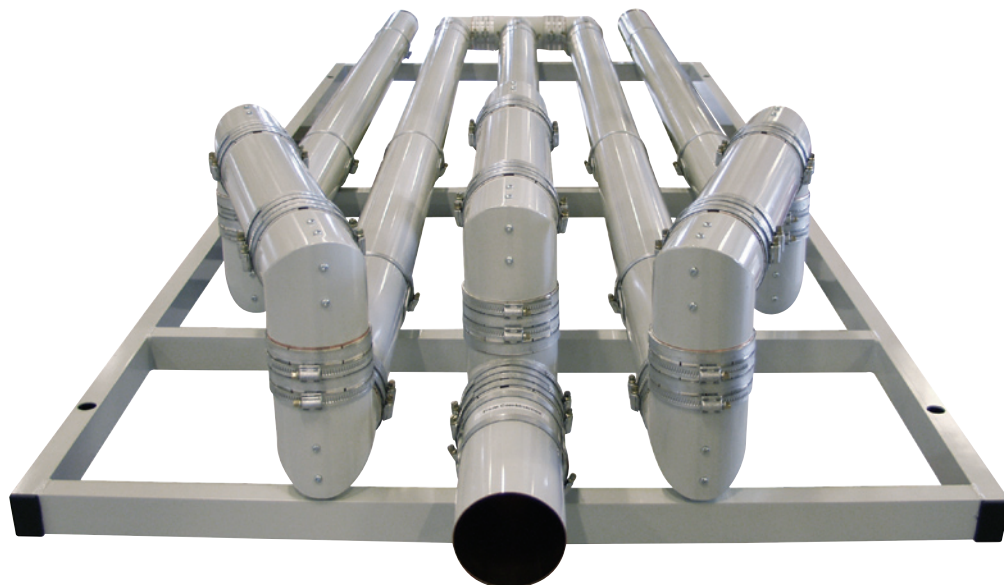
Customised Versions

PRODUCT FEATURES

- Broadband performance
- 2 to 8 way splitters
- Line sizes up to 7 3/16"
- 75 and 50 Ohm versions
- Gas tight

PRODUCT PROFILE

Exir Broadcasting offers customised power splitters in line sizes ranging from DIN 7/16 to 7 3/16" either isolated or non-isolated. All models are silver-plated with an inner conductor of low-loss copper.



Order and Sales Information

Ordering products from Exir Broadcasting is easy. Orders can be placed directly via telephone, fax or e-mail to our Head Office, or through our sales representatives located around the globe.

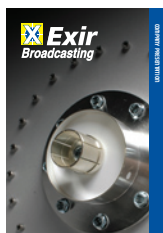
Direct Order

PHONE	+46 415 164 00
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FAX	+46 415 166 01
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E-MAIL	info@exirbroadcasting.com
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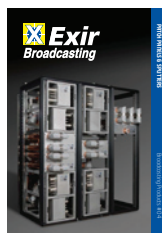
Other available publications



Broadcasting
Company information



Filters & Combiners



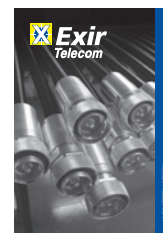
Patch Panels & Splitters



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Reliability and High-Performance



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