



TRIAX

connecting the future



TRIAX® Terrestrial reception

a complete range of high quality components for TV reception





TRIAX



Reliability is our business. It's what we stand for.

For nearly 70 years, TRIAX has strived to be your preferred partner for all your connectivity needs. We're proud to provide reliable solutions for the present, while connecting our customers to the future.

At the forefront of technological trends and developments, we're with you each step of the way, from installing home connections and business critical hospitality solutions, to realising complex, large scale integrations.

Ready for any job at hand, our products are available individually or as part of tailor-made

solutions. From aerials and dishes, to headends, outlets, cables and beyond – we make connectivity easy, ensuring you live up to your own customer promises.

Rest assured that at TRIAX, reliability and innovation run through the core of everything we do, from product development to our friendly, efficient service and support.

So enjoy browsing through this catalogue for an overview of our full product range. And of course, we're always just a phone call away for more inspiration towards your next solution.

Contact TRIAX

To place an order or consult one of our experts, contact us via:

Phone: +45 76 82 22 00

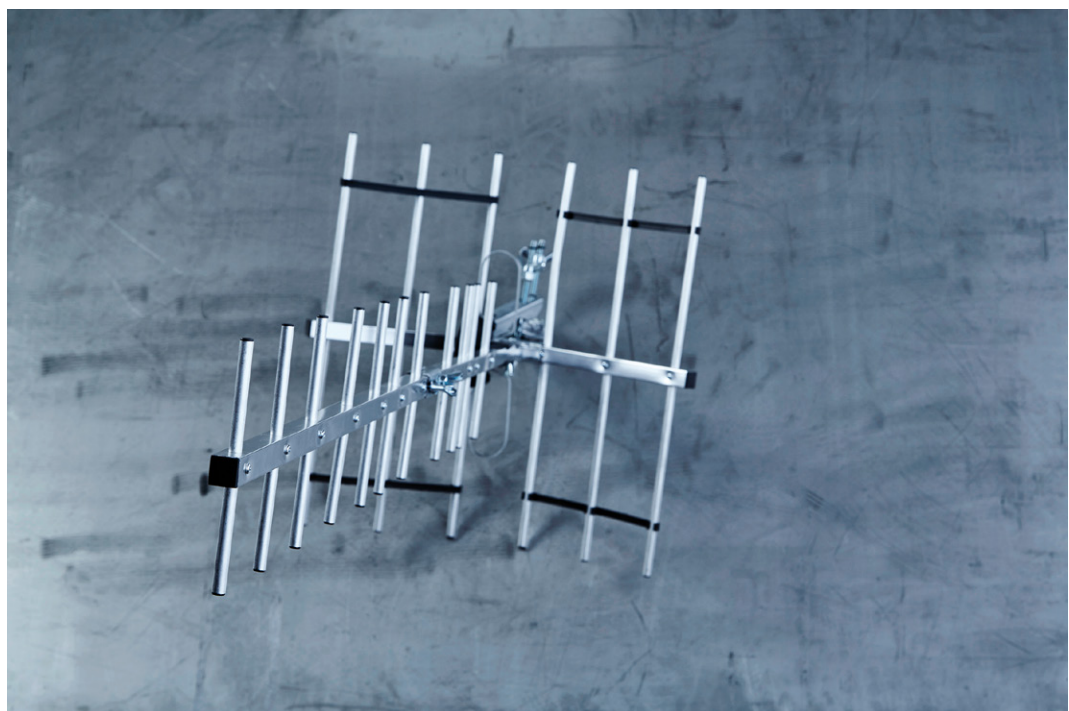
e-mail: triax@triax.com

Or pay us a visit online at www.triax.com, where you'll find a wealth of further material about our products and solutions.

TRIAX[®] Terrestrial reception

a complete range of components for TV reception

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TRIAX[®] Aerials and Mast electronics

a complete range of solutions for terrestrial TV reception



Reliability from rooftop to outlet

Invest in a partner ready to grow your business. When installing aerials and electronics, you can rely on TRIAX solutions to perform exactly as you expect them to. Beware of cheaper components that might include surprises and instability.

TRIAX solutions can help protect TV signals from 4G/LTE mobile broadband interference

The 4G/LTE technology operating in the 694-862 MHz frequency range may cause problems for installed DTT and CATV (cable TV) networks.

Worldwide frequency bands traditionally used for DTT (Digital Terrestrial TV) reception are gradually being discontinued for DTT use in favour of emerging high speed mobile broadband services such as LTE (Long Term Evolution) and/or LTE Advanced technology.

Ensure the best picture quality

The single most important part of an installation is the quality of the incoming signals. We recommend you use an aerial that ensures the optimum signal levels depending upon the geographical location of the installation. It is not recommended to compromise on the size of the aerial, as the system is dependent on high quality signals from the outset.

The reception systems require the correct size of LTE aerial, such as the TRIAX UNIX or DIGI range, combined with the best low noise mast amplifier and filters.



The LTE-protected-by TRIAX icon is displayed on products that complies with 4G/LTE protection requirements.



Selection of 5 ranges

aerials, amplifiers, filters, combiners and power supplies



UHF aerials for 700 MHz & 800 MHz LTE

TRIAX aerials are manufactured to protect you from interference in the entire LTE mobile broadband spectrum. Our range of terrestrial aerials consist of FM, DAB, VHF, UHF, Combi and compact UFO aerial.

Mast amplifiers for 700 MHz & 800 MHz LTE

Mast electronics including easy-to-mount high-performance range of mast amplifiers with F-connector. The MFA 611 - MFA 621 - MFA 656 mast amplifiers are wideband amplifiers featuring 1-2-3 inputs and 1-2 outputs and cut off channels E61-69 and E49-59.



Stop filters for 700 MHz & 800 MHz LTE

TRIAX high performance stop 4G/LTE filters protect you from interference in the entire LTE mobile broadband spectrum on DVB-T signals, and also protect against overload from strong LTE signals (base station transmitters) on antenna amplifiers, TV tuners and set-top boxes.

Power supplies with 700 MHz & 800 MHz LTE filter

TRIAX IFP Power supplies with LTE filter are indoor power supplies for masthead amplifiers, providing a 'last defence' filter function protecting against local 4G/LTE interference. Easy installation F-connectors for maximum shielding. LTE filter 6-23 dB, (694-862MHz).



TRIAX[®] Digi 6 & 10 - Band IV/V aerials

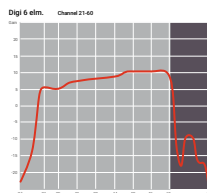
designed for superior TV reception



Common features

- 6, 10 elements UHF antenna with 18 mm boom
- Semi-assembled – saves time during installation
- Unparalleled gain and rejection performance
- Designed to receive DTT (Digital Terrestrial TV) signals in 470-694 and 470-790 MHz range
- Rejects 4G/LTE signals in 694-790 and 790-862 MHz range using TRIAX's "Antenna Low Pass System"
- Improved weather proof dipole house with F-connector for optimal TV-signal performance
- Resistant to extreme weather conditions
- Adjustable rear mast brackets for masts up to 60 mm.

DIGI 6 - LTE 800 MHz



DIGI 6, LTE 800, ch 21-60 (Color box)

Art. No. 105400
EAN Number
5702661054006

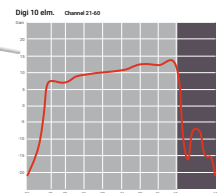


DIGI 6, LTE 800. ch 21-60 (Poly bag)

Art. No. 105401
EAN Number
5702661054013



DIGI 10 - LTE 800 MHz



DIGI 10, LTE 800, ch 21-60 (Color box)

Art. No. 105410
EAN Number
5702661054105



DIGI 10, LTE 800, ch 21-60 (Poly bag)

Art. No. 105411
EAN Number
5702661054112



TRIAX® Digi 6 & 10 - Band IV/V aerials

designed for superior TV reception

DIGI 6 - LTE 700 MHz

**DIGI 6, LTE 700, ch 21-48
(Color box)**

Art. No. 105450

EAN Number
5702661054501



DIGI 10 - LTE 700 MHz

**DIGI 10, LTE 700, ch 21-48
(Color box)**

Art. No. 105460

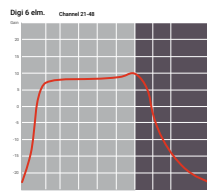
EAN Number
5702661054600



**DIGI 6, LTE 700, ch 21-48
(Poly bag)**

Art. No. 105451

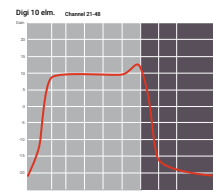
EAN Number
5702661054518



**DIGI 10, LTE 700, ch 21-48
(Poly bag)**

Art. No. 105461

EAN Number
5702661054617



Type:	DIGI 6, LTE 800 Ch 21-60	DIGI 6, LTE 700 Ch 21-48	DIGI 10, LTE 800 Ch 21-60	DIGI 10, LTE 70 Ch 21-48
Art. no.	105400/105401	105450/105451	105410/105411	105460/105461
FREQUENCY				
Band (frequency)	BIV/V	BIV/V	BIV/V	BIV/V
Channels	21...60	21...48	21...60	21...48
Frequency range UHF	470...790MHz	470...694MHz	470...790MHz	470...694MHz
LTE protected	800	700	800	700
GAIN				
Gain @ 474 MHz (Ch. 21)	5,0dBi	7.8dBi	6.5dBi	9.5dBi
Gain @ 538 MHz (Ch. 29)	7dBi	dBi	7,5dBi	dBi
Gain @ 606 MHz (Ch. 37)	9.0dBi	8.7dBi	10.0dBi	9.2dBi
Gain @ 730 MHz (Ch. 53)	10.0dBi	dBi	12.5dBi	dBi
Gain @ 786 MHz (Ch. 60)	10.0dBi	dBi	13dBi	dBi
Gain	dBi	10 maxdBi	dBi	13 maxdBi
LOSS				
Rejection @ 758 MHz (Ch. 56)		7.8dB		4.3dB
Rejection @ 788 MHz (Ch. 60)		8.7dB		7.6dB
Rejection @ 811 MHz (LTE D1)	5.0dB		5.0dB	
Rejection @ 821 MHz (LTE D6)	10.0dB		11.0dB	
Rejection @ 832 MHz (LTE U1)	12.0dB		11.0dB	
Rejection @ 862 MHz (LTE U6)	10.0dB		8.0dB	
ELECTRICAL				
Impedance	75Ω	75Ω	75Ω	75Ω
Front to back ratio - horizontal	17dB	14dB	21dB	15dB
CONNECTORS				
Connector Type	F-female	F-female	F-female	F-female
MECHANICAL				
Product Length	718mm	655mm	1015mm	1085mm
Product Width	260mm	330mm	350mm	480mm
Main Material	Aluminium	Aluminium	Aluminium	Aluminium
Packing QTY	10	1	10	10
Beamwidth horizontal	± 25°	±40°	± 23°	±30°
Elements	6	6	10	10
Windload (N)	14N	14N	22N	22N
Net Weight	0,510kg	0,520kg	0,710kg	0,730kg
Bracketry	Mast	Mast	Mast	Mast

TRIAX® Digi 14 & 18 - Band IV/V aerials

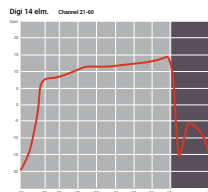
designed for superior TV reception



Common features

- 14 and 18 elements UHF antenna with 18 mm boom
- Semi-assembled – saves time during installation
- Unparalleled gain and rejection performance
- Designed to receive DTT (Digital Terrestrial TV) signals in 470-694 and 470-790 MHz range
- Rejects 4G/LTE signals in 694-790 and 790-862 MHz range using TRIAX's "Antenna Low Pass System"
- Improved weather proof dipole house with F-connector for optimal TV-signal performance
- Resistant to extreme weather conditions
- Adjustable rear mast brackets for masts up to 60 mm.

DIGI 14 - LTE 800 MHz



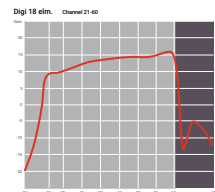
DIGI 14, LTE 800, ch 21-60
(Color box)

Art. No. 105420

EAN Number
5702661054204



DIGI 18 - LTE 800 MHz



DIGI 18, LTE 800, ch 21-60
(Color box)

Art. No. 105430

EAN Number
5702661054303



DIGI 14, LTE 800, ch 21-60
(Poly bag)

Art. No. 105421

EAN Number
5702661054211



DIGI 18, LTE 800, ch 21-60
(Poly bag)

Art. No. 105431

EAN Number
5702661054310



TRIAX[®] Digi 14 & 18 - Band IV/V aerials

designed for superior TV reception

DIGI 14 - LTE 700 MHz

**DIGI 14, LTE 700, ch 21-48
(Color box)**

Art. No. 105470

EAN Number
5702661054709



DIGI 18 - LTE 700 MHz

**DIGI 18, LTE 700, ch 21-48
(Color box)**

Art. No. 105480

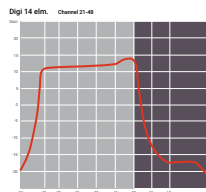
EAN Number
5702661054808



**DIGI 14, LTE 700, ch 21-48
(Poly bag)**

Art. No. 105471

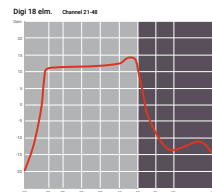
EAN Number
5702661054716



**DIGI 18, LTE 700, ch 21-48
(Poly bag)**

Art. No. 105481

EAN Number
5702661054815



Type:	DIGI 14, LTE 800, Ch 21-60 (Color box)	DIGI 14, LTE 700, Ch 21-48 (Color box)	DIGI 18, LTE 800, Ch 21-60 (Color box)	DIGI 18, LTE 700, Ch 21-48 (Color box)
Art. no.	105420/105421	105470/105471	105430/105431	105480/105481
FREQUENCY				
Band (frequency)	BIV/V	BIV/V	BIV/V	BIV/V
Channels	21...60	21...48	21...60	21...48
Frequency range UHF	470...790MHz	470...694MHz	470...790MHz	470...694MHz
LTE protected	800	700	800	700
GAIN				
Gain @ 474 MHz (Ch. 21)	7,5dBi	10,9dBi	8,0dBi	11,3dBi
Gain @ 538 MHz (Ch. 29)	9,5dBi		10dBi	
Gain @ 606 MHz (Ch. 37)	12,0dBi	11,1dBi	13,0dBi	12,5dBi
Gain @ 730 MHz (Ch. 53)	13,0dBi		14,5dBi	
Gain @ 786 MHz (Ch. 60)	13,5dBi		12,5dBi	
Gain		13,5 maxdBi		14 maxdBi
LOSS				
Rejection @ 758 MHz (Ch. 56)		3,8dB		8,0dB
Rejection @ 788 MHz (Ch. 60)		8,3dB		8,9dB
Rejection @ 811 MHz (LTE D1)	5,0dB		4,0dB	
Rejection @ 821 MHz (LTE D6)	11,0dB		8,0dB	
Rejection @ 832 MHz (LTE U1)	11,0dB		10,0dB	
Rejection @ 862 MHz (LTE U6)	8,0dB		10,0dB	
ELECTRICAL				
Impedance	75Ω	75Ω	75Ω	75Ω
Front to back ratio - horizontal	21dB	23dB	25dB	25dB
CONNECTORS				
Connector Type	F-female	F-female	F-female	F-female
MECHANICAL				
Product Length	1015mm	1085mm	1446mm	1414mm
Product Width	420mm	480mm	420mm	480mm
Main Material	Aluminium	Aluminium	Aluminium	Aluminium
Packing QTY	10	1	10	1
Beamwidth horizontal	± 21°	±30°	± 18°	±25°
Elements	14	14	18	17
Windload (N)	54N	54N	59N	59N
Net Weight	0,810kg	0,800kg	1,180kg	1,250kg
Bracketry	Mast	Mast	Mast	Cradle/support boom

TRIAX® UNIX 32 & 52 - Band IV/V aerials

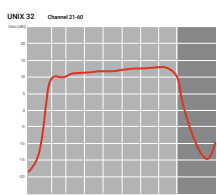
the power gain aerial



Common features

- 32, 52 and 100 elem. UHF antenna with 18mm boom
- Semi-assembled – saves time during installation
- Unparalleled gain and rejection performance
- Designed to receive DTT (Digital Terrestrial TV) signals in 470-694 and 470-790 MHz range
- Rejects 4G/LTE signals in 694-790 and 790-862 MHz range using TRIAX's "Antenna Low Pass System"
- Improved weather proof dipole house with F-connector for optimal TV-signal performance
- Resistant to extreme weather conditions
- Adjustable rear mast brackets for masts up to 60 mm

UNIX 32 - LTE 800 MHz



UNIX 32, LTE 800, ch 21-60
(Color box)

Art. No. 105500

EAN Number
5702661055003



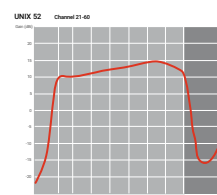
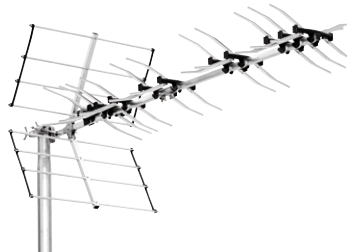
UNIX 32 LTE 800, ch 21-60
(Poly bag)

Art. No. 105501

EAN Number
5702661055010



UNIX 52 - LTE 800 MHz



UNIX 52, LTE 800, ch 21-60
(Color box)

Art. No. 105510

EAN Number
5702661055102



UNIX 52, LTE 800, ch 21-60
(Poly bag)

Art. No. 105511

EAN Number
5702661055119



TRIAX® UNIX 32 & 52 - Band IV/V aerials

the power gain aerial

UNIX 32 - LTE 700 MHz



**UNIX 32, LTE 700, ch 21-48
(Color box)**

Art. No. 105550

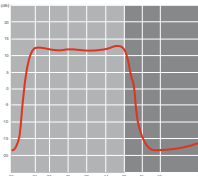
EAN Number
5702661055508



**UNIX 32, LTE 700, ch 21-48
(Poly bag)**

Art. No. 105551

EAN Number
5702661055515



UNIX 52 - LTE 700 MHz



**UNIX 52, LTE 700, ch 21-48
(Color box)**

Art. No. 105560

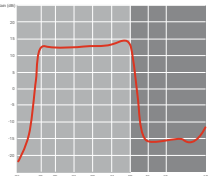
EAN Number
5702661055607



**UNIX 52, LTE 700, ch 21-48
(Poly bag)**

Art. No. 105561

EAN Number
5702661055614



Type:	UNIX 32, LTE 800 Ch 21-60	UNIX 32, LTE 700 Ch 21-48	UNIX 52, LTE 800 Ch 21-60	UNIX 52, LTE 700 Ch 21-48
Art. no.	105500/105501	105550/105551	105510/105511	105560/105561
FREQUENCY				
Band (frequency)	BIV/V	BIV/V	BIV/V	BIV/V
Channels	21...60	21...48	21...60	21...48
Frequency range UHF	470...790MHz	470...694MHz	470...790MHz	470...694MHz
LTE protected	800	700	800	700
GAIN				
Gain @ 474 MHz (Ch. 21)	8,5dBi	12,4dBi	11dBi	12,3dBi
Gain @ 538 MHz (Ch. 29)	11,0dBi		11,0dBi	
Gain @ 606 MHz (Ch. 37)	12,5dBi	11,8dBi	13,0dBi	14,0dBi
Gain @ 730 MHz (Ch. 53)	12,5dBi		14,5dBi	
Gain @ 786 MHz (Ch. 60)	10,0dBi		11,5dBi	
Gain		12,5 maxdBi		14,5 maxdBi
LOSS				
Rejection @ 758 MHz (Ch. 56)		8,6dB		7,1dB
Rejection @ 788 MHz (Ch. 60)		9,2dB		8,1dB
Rejection @ 811 MHz (LTE D1)	0,0dB		8,0dB	
Rejection @ 821 MHz (LTE D6)	3,0dB		8,0dB	
Rejection @ 832 MHz (LTE U1)	6,0dB		10,0dB	
Rejection @ 862 MHz (LTE U6)	20,0dB		15,0dB	
ELECTRICAL				
Impedance	75Ω	75Ω	75Ω	75Ω
Front to back ratio - horizontal	24dB	22dB	25dB	20dB
CONNECTORS				
Connector Type	F-female	F-female	F-female	F-female
MECHANICAL				
Product Length	791mm	777mm	1512mm	1394mm
Product Width	500mm	580mm	500mm	580mm
Main Material	Aluminium	Aluminium	Aluminium	Aluminium
Packing QTY	5	1	5	1
Beamwidth horizontal	± 20°	±35°	± 15°	±25°
Elements	32	32	52	52
Windload (N)	58N	58N	96N	96N
Net Weight	1,030kg	1,090kg	1,325kg	1,420kg
Bracketry	Mast - backmounting	Mast - backmounting	Mast - backmounting	Mast - backmounting

TRIAX® UNIX 100, DIGI Grid & DIGI 343

designed for superior TV reception

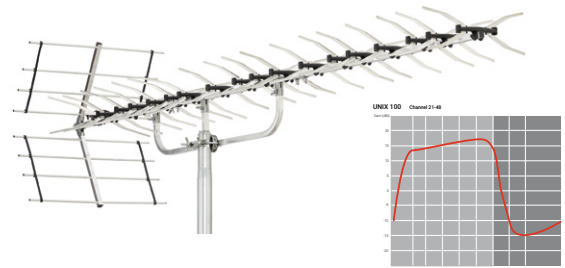
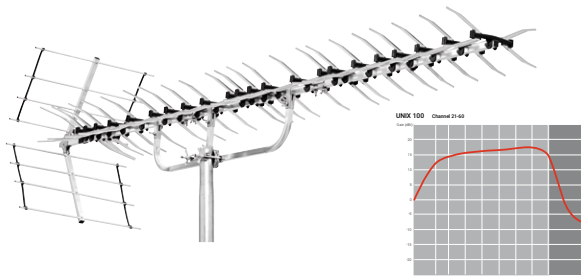


UNIX 100 - LTE 800 MHz

- UNIX 100 - LTE 800 designed to receive DTT signals in the 470-790 MHz range (ch. 21-60).
- UNIX 100 - LTE 700 designed to receive DTT signals in the 470-694 MHz range (ch. 21-48).

UNIX 100 - LTE 700 MHz

- Sealed dipole house with rear pointing F-connector for optimal TV-signal performance.
- Resistant to extreme weather conditions (made from aluminium, magnesium and manganese alloy).
- Adjustable brackets for masts up to 60 mm.



UNIX 100, LTE 800, ch 21-60 (Color box)

Art. No. 105520

EAN Number
5702661055201



UNIX 100, LTE 700, ch 21-48 (Color box)

Art. No. 105570

EAN Number
5702661055706



UNIX 100, LTE 800, ch 21-60 (Poly bag)

Art. No. 105521

EAN Number
5702661055218



UNIX 100, LTE 700, ch 21-48 (Poly bag)

Art. No. 105571

EAN Number
5702661055713



TRIAX® UNIX 100, DIGI Grid & DIGI 343

designed for superior TV reception

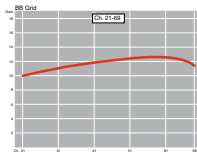
DIGI GRID - LTE 800 MHz



Digi Grid - ch. 21-69, LTE 800 Aerial

Art. No. 108015

EAN Number
5702661080159



- UHF flat panel TV aerial.
- High gain, large beam width, excellent front/back ratio, ensuring perfect TV reception.
- Compact and easy to install.
- Galvanised reflector grid, ensuring a long life.
- Even gain curve, suitable for stacking.

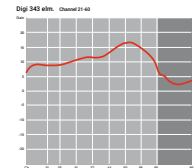
DIGI 343 - LTE 800 MHz



Digi 343 - LTE 800 Aerial ch. 21-60

Art. No. 108961

EAN Number
5702661089619



The Digi 343 21-60 is optimised for maximum gain in the frequency area 470-790 MHz.

- Easy installation
- High performance antenna
- Stable and strong construction
- Specially designed for HDTV digital reception
- F-connector

Type:	UNIX 100, LTE 800 Ch 21-60	UNIX 100, LTE 700 Ch 21-48	Digi Gridflat panel Ch 21-69	Digi 343 LTE 800 Ch 21-60
Art. no.	105520/105221	105570/105571	108015	108961
FREQUENCY				
Band (frequency)	BIV/V	BIV/V	BIV/V	BIV/BV
Channels	21...60	21...48	21...69	21...60
Frequency range UHF	470...790MHz	470...694MHz	470...862MHz	470...790MHz
LTE protected	800	700		800
GAIN				
Gain @ 474 MHz (Ch. 21)	13dBi			
Gain @ 538 MHz (Ch. 29)	16dBi			
Gain @ 606 MHz (Ch. 37)	16.5dBi			
Gain @ 730 MHz (Ch. 53)	17dBi			
Gain @ 786 MHz (Ch. 60)	14.5dBi			
Gain		17 maxdBi	12.5dBi	15.5dBi
LOSS				
Rejection @ 758 MHz (Ch. 56)		18.3dB		
Rejection @ 788 MHz (Ch. 60)		14.6dB		
Rejection @ 821 MHz (LTE D6)	2.0dB			
Rejection @ 832 MHz (LTE U1)	5.0dB			
Rejection @ 862 MHz (LTE U6)	10.0dB			
ELECTRICAL				
Impedance	75Ω	75Ω	75Ω	75Ω
Front to back ratio - horizontal	27dB	20dB	22dB	20dB
CONNECTORS				
Connector Type	F-female	F-female	F-female	F-female
MECHANICAL				
Product Length	2257mm	2343mm	805mm	1056mm
Product Width	500mm	580mm	545mm	540mm
Main Material	Aluminium	Aluminium	Aluminium	Aluminium
Packing QTY	3	1	2	1
Beamwidth horizontal	± 11°	±15°	± 25°	± 15°
Elements	100	80	4	43
Windload (N)	162N	162N	78N	150N
Net Weight	2,650kg	2,300kg	1,566kg	1,700kg
Beamwidth vertical			± 20°	
Bracketry	Cradle/support boom	Cradle/support boom	Mast	Mast

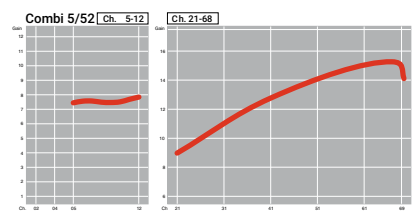
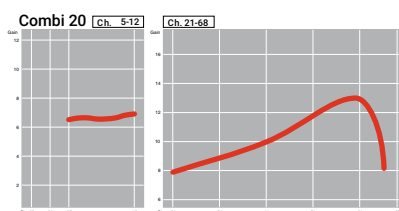
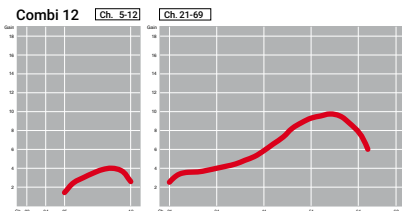
TRIAX[®] VHF/UHF Combi aerials

designed for superior TV reception



Common features

- Combi 12, 20 and 57 elements VHF/UHF aerial with 18mm boom
- Semi-assembled – saves time during installation
- Designed to receive DTT (Digital Terrestrial TV) signals in 470-790 MHz ranges
- Unparalleled gain and rejection performance
- Improved weather proof dipole house with F-connector for optimal TV-signal performance
- Resistant to extreme weather conditions
- Adjustable rear mast brackets for masts up to 60 mm



Combi 12 Aerial w. mast bracket

Art. No. 108936
EAN Number 5702661089367



Combi 20 Aerial

Art. No. 108694
EAN Number 5702661086946



Combi 12 Aerial w. window bracket

Art. No. 108937
EAN Number 5702661089374



Combi 57 Aerial

Art. No. 108696
EAN Number 5702661086960



TRIAX® VHF/UHF Combi aerials

designed for superior TV reception

UFO 150 - LTE 800 MHz



**UFO 150 Digital 5-24V,
LTE 800 Aerial**

Art. No. 109150

EAN Number
5702661091506



UFO 170 - LTE 700 MHz



**UFO 170 Digital 5-24V,
LTE 700 Aerial**

Art. No. 109170

EAN Number
5702661091704



Common features

- Triax UFO, 1 element Omni digital aerial (VHF/UHF)
- Receives FM/VHF/DAB/UHF signals
- The antenna is surface-treated to withstand impact of salt water and poor weather conditions
- A small and discreet antenna
- The ideal flexible solution for home, indoor, caravan, boat, mobile home, bus and truck
- TETRA safe

Type:	Combi 12 Ch. 5-12/21-60	Combi 20 Ch. 5-12/21-60	Combi 57 Ch. 5-12/21-60	UFO 150 Digital LTE 800 Aerial	UFO 170 Digital LTE 700 Aerial
Art. no.	108936/108937	108694	108696	109150	109170
CHARACTERISTICS					
Max. output level				VHF:108 UHF: 104dBµV	VHF:108 UHF: 104dBµV
FREQUENCY					
Band	BIII/BIV-BV	BIII/BIV-V	BIII/BIV-V	FM/DAB/DAB+/ VHF/UHF	FM/DAB/DAB+/ VHF/UHF
Channels	5-12/21-60	5-12/21-69	5-12/21-69	FM / 5-12 / 21-60	FM / 5-12 / 21-48
Frequency range DAB	-	-	-	200...240MHz	200...240MHz
Frequency range FM	-	-	-	87,5...108MHz	87,5...108MHz
Frequency range UHF	470...790MHz	470-862MHz	470-790MHz	470...790MHz	470...694MHz
GAIN					
Gain - VHF	4.0 dB	6.0 dB	8.0 dB	27.0 dB	28.0 dB
Gain - UHF	4.0...9.0dB	11.5dB	14.5dB	27.0dB	27.0dB
Noise figure	-	-	-	3.0dB	3.0dB
ELECTRICAL					
Impedance	75Ω	75Ω	75Ω	75Ω	75Ω
Front to back ratio - horizontal	12.0dB	12.0dB	17.0dB	-	-
OPERATIONAL					
DC Operating voltage				12/85mA VDC	12/85mA VDC
Power Consumption (typ.)				< 1.2W	< 1.2W
CONNECTORS					
Connector Type	Saddle & Clamp (S&C)	Saddle & Clamp (S&C)	Saddle & Clamp (S&C)	F-female	F-female
MECHANICAL					
Design					
Material	Aluminum	Aluminum	Aluminum	Alu/Plast	Alu/Plast
Packing QTY	1	1	1	1	1
Beamwidth horizontal	± 32°	± 35°	± 31°	360°	360°
Construction type	MTH	MTH	MTH		
Elements	4/8	5/15	5/52	1	1
Windload	34N	56N	146N	5.5N	5.5N
Weight (kg)	0.75 kg	1.0 kg	2.90 kg	0.7 kg	0.7 kg
Length (mm)	866mm	815mm	1725mm	325mm	325mm
Width (mm)	855mm	760mm	880mm	255mm	255mm
Remarks:					
External PSU				339502 IFP 502	339502 IFP 502
External PSU/Inserter				339522 IFP 522	339522 IFP 522
Center bracket				Art. No. 133226	

TRIAX[®] FM & DAB aerials

designed for superior TV reception



TRIAX FM and DAB Aerials

- Eliminate reflections and combines low weight with high gain and an excellent front to back ratio
- Supplied with an aluminium boom
- F-connector
- Mounting brackets for mast diameters up to 80mm

TRIAX DAB (BIII) 1 el. Aerials

- DAB aerials cover the frequency range 200-240 MHz.
- Supplied with a light alloy metal boom made of 18x18 mm square tubes.
- Aerials are supplied with mounting brackets for mast diameter up to Ø60 mm.



FM Zigma, 1 elem. BII (Color box)

Art. No. 105100

EAN Number
5702661051005



FM Zigma, 1 elem. BII (Polybag)

Art. No. 105101

EAN Number
5702661051012



FM Omni, 1 elem, BII (Polybag)

Art. No. 100188

EAN Number
5702661001888



FM-3, 3 elem, BII (Color box)

Art. No. 105110

EAN Number
5702661051104



FM-3, 3 elem, BII (Polybag)

Art. No. 105111

EAN Number
5702661051111



TRIAX[®] FM & DAB aerials

designed for superior TV reception

TRIAX DAB (BIII) 1 el. Aerials



**DAB-1, 1 elem,
BIII (Color box)**

Art. No. 105130

**EAN Number
5702661051302**



**DAB-1, 1 elem,
BIII (Polybag)**

Art. No. 105131

**EAN Number
5702661051319**



Type:	FM Zigma, 1 elem. BII	BII - FM Omni 1 elem. BII	FM-3, 3 elem. BII	DAB-1, 1 elem. BIII
Art. no.	105100/105101	100188	105110/105111	105130/105131
FREQUENCY				
Band	BII	BII	BII	BIII
Channels				9...13
Frequency range DAB				200...240MHz
Frequency range FM	87,5...108MHz	87,5...108MHz	87,5...108MHz	
GAIN				
Gain	0dBi	-2.0dBi	6dBi	2.2 dBi
ELECTRICAL				
Impedance	75Ω	75Ω	75Ω	75Ω
Front to back ratio	0dB	0dB	16dB	
CONNECTORS				
Connector Type	F-female	F-female	F-female	F-female
MECHANICAL				
Material	Aluminium	Aluminium	Aluminium	Aluminium
Packing QTY	1	1	1	1
Beamwidth horizontal	±45°	± 180°	±35°	± 180°
Construction type	MT	MTHV	MT	MTH
Elements	1	1	3	1
Windload	31N	16N	56N	20N
Length (mm)	550 mm	Ø 505 mm	119 mm	400mm
Width (mm)	1140 mm		158 mm	625mm


TRIAX[®] VHF (BIII) aerials

designed for superior TV reception





Common features

- Band III aerials are wideband, channel or channel group types for horizontal or vertical mounting.
- TRIAX band III aerials cover the frequency range 174-230 MHz (ch. 5-12).
- TRIAX aerials are supplied with a light alloy metal boom made of 18 x 18 mm square tubes.
- The aerials are provided with brackets for masts up to Ø60 mm or with window brackets.





**VHF BIII - ch. 5...12,
6 elements (Polybag)**

Art. No. 103862
EAN Number 5702661038624



**BIII - ch. 5...12, 10 elements
(Polybag)**

Art. No. 104579
EAN Number 5702661045790



**VHF BIII - ch. 5...12,
9 elements (Colorbox)**

Art. No. 105200
EAN Number 5702661052002

**BIII - ch. 5...12, 13 elements
(Polybag)**

Art. No. 105211
EAN Number 5702661052118

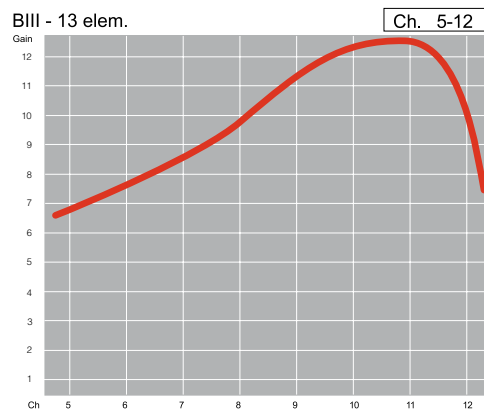
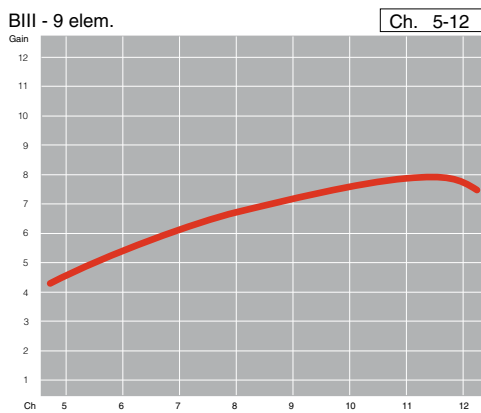



**VHF BIII - ch. 5...12,
9 elements (Polybag)**

Art. No. 105201
EAN Number 5702661052019

TRIAX[®] VHF (BIII) aerials

designed for superior TV reception



Type:	VHF BIII ch. 5...12 6 elements	VHF BIII ch. 5...12 9 elements	VHF BIII ch. 5...12 10 elements	VHF BIII ch. 5...12 13 elements
Art. no.	103862	105200/105201	104579	105211
FREQUENCY				
Band (frequency)	BIII	BIII	BIII	BIII
Channels	5...12	5...12	5...12	5...12
Frequency range VHF	174...300MHz	174...230MHz	174...230MHz	174...230MHz
GAIN				
Gain	7.5dBi	8 maxdBi	9.5dBi	12.8 max dBi
Gain @ 174 MHz (Ch. 5)		4.2dBi		6.6 dBi
Gain @ 230 MHz (Ch. 12)		7.5dBi		10.6 dBi
ELECTRICAL				
Impedance	75Ω	75Ω	75Ω	75Ω
Front to back ratio - horisontal	16dB	20dB	22dB	20dB
CONNECTORS				
Connector Type	F-female	F-female	Saddle & Clamp (S&C)	F-female
MECHANICAL				
Product Width	800mm	870mm	880mm	920mm
Product Length	1410mm	880mm	1735mm	2080mm
Main Material	Aluminum	Aluminum	Aluminum	Aluminum
Packing QTY	1	1	1	1
Beamwidth horisontal	± 26°	± 40°	± 23°	± 40°
Construction type	MTH		MTHD	
Elements	6	9	10	13
Windload (N)	48N	58N	78N	58N

TRIAX® outdoor masthead amplifiers

for excellent terrestrial reception



Common features

In most electronics it pays well to invest in quality. By choosing TRIAX products, you can be sure of many years of operation without difficulties. Our range of masthead amplifiers are designed to cut off channel 60-69/49-69 where 4G/LTE mobile broadband services are transmitted:

- Input/output: BIII (DAB/UHF up to 694-790 MHz) (E48 - E60)
- High quality weather proof mast housing
- Low noise figures
- Simple and easy mast mounting



MFA 611 - 1 Input - UHF/BIII - Multiband mast amplifier - LTE 800 Protected

Art. No. 340611

EAN Number 5702663406117

No. of inputs 1

No. of outputs 2



MFA 611 - 1 Input - UHF/BIII - Multiband mast amplifier - LTE 700 Protected

Art. No. 340911

EAN Number 5702663409118

No. of inputs 1

No. of outputs 2



MFA 621 - 2 Input - UHF/BIII /FM - Multiband mast amplifier - LTE 800 Protected

Art. No. 340621

EAN Number 5702663406216

No. of inputs 2

No. of outputs 1



MFA 621 - 2 Input - UHF/BIII /FM - Multiband mast amplifier - LTE 700 Protected

Art. No. 340921

EAN Number 5702663409217

No. of inputs 2

No. of outputs 1



MFA 656 - 3 Input - UHF/BIII/ DAB/FM - Multiband mast amplifier - LTE 800 Protected

Art. No. 340656

EAN Number 5702663406568

No. of inputs 3

No. of outputs 1



MFA 656 - 3 Input - UHF/BIII/ DAB/FM - Multiband mast amplifier - LTE 700 Protected

Art. No. 340956

EAN Number 5702663409569

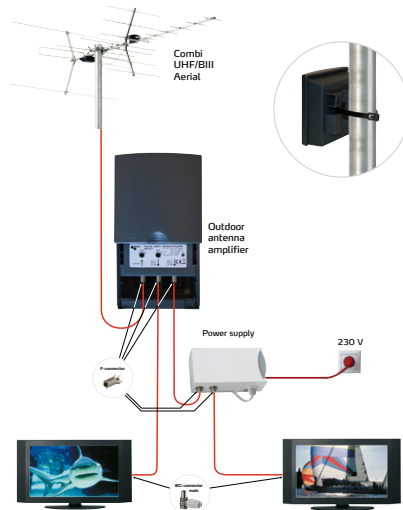
No. of inputs 3

No. of outputs 1



TRIAX® outdoor masthead amplifiers

for excellent terrestrial reception



Type:	MFA 611 UHF/BIII LTE 800	MFA 611 UHF/BIII LTE 700	MFA 621 UHF/BIII/FM LTE 800	MFA 621 UHF/BIII/FM LTE 700	MFA 656 UHF/BIII/DAB/ FM - LTE 800	MFA 656 UHF/BIII/DAB/ FM - LTE 700
Art. no.	340611	340911	340621	340921	340656	340956
CHARACTERISTICS						
Max. output level	103 dBµV		103 dBµV		103 dBµV	
FREQUENCY						
Input 1 - band	BIII(DAB)+UHF	BIII(DAB)+UHF	BIII(DAB)+UHF	BIII(DAB)+UHF	UHF	UHF
Input 1 - channels	5...12/21...60	5...12/21...48	5...12/21...60	5...12/21...48	21...60	21...48
Input 1 - frequency	170...230 / 470...790MHz	170...230 / 470...694MHz	170...230 / 470...790MHz	170...230 / 470...694MHz	470...790MHz	470...694MHz
Input 2 - band			BII	BIII (DAB)		
Input 2 - channels			FM	5...12 + DAB		
Input 2 - frequency			87...108MHz	174...230MHz		
Input 3 - band					BII	
Input 3 - channels					FM	
Input 3 - frequency					87...108MHz	
GAIN						
Input 1 - gain	10...25 / 15...30dB		20...35dB		20...35dB	
Input 1 - noise figure	3.5dB		2.5dB		<2.5dB	
Input 2 - gain			5...15dB	10...22dB		
Input 2 - noise figure			2.5dB	< 2.5dB		
Input 3 - gain					5...15dB	
Input 3 - noise figure					< 2.5dB	
RETURN LOSS						
Return Loss	10/8dB		10/8dB		10/8dB	
ELECTRICAL*						
Impedance	75Ω	75Ω	75Ω	75Ω	75Ω	75Ω
OPERATIONAL						
DC Operating voltage	12...24 VDC	12...24 VDC	12...24 VDC	12...24 VDC	12...24 VDC	12...24 VDC
LED indicator	Yes - green	Yes - green	Yes - green	Yes - green	Yes - green	Yes - green
CONNECTORS						
Connector Type	F-female	F-female	F-female	F-female	F-female	F-female
Number of inputs	1	1	2	2	3	3
Number of outputs	2	2	1	1	1	1
MECHANICAL						
Depth (mm)	60mm	60mm	60mm	60mm	60mm	60mm
Height (mm)	115mm	115mm	115mm	115mm	115mm	115mm

TRIAX® outdoor masthead amplifiers

for excellent terrestrial reception



Common features

In most electronics it pays well to invest in quality. By choosing TRIAX products, you can be sure of many years of operation without difficulties. Our range of masthead amplifiers are designed to cut off channel 60-69/49-69 where 4G/LTE mobile broadband services are transmitted:

- Input/output: BIII (DAB/UHF up to 694-790 MHz) (E48 - E60)
- High quality weather proof mast housing
- Low noise figures
- Simple and easy mast mounting



MFA 622 - 2 Input - UHF/UHF Wideband mast amplifier

Art. No. 340622

EAN Number 5702663406223

No. of inputs 2

No. of outputs 2



MFA 641 - 2 Input - UHF/FM Multiband mast amplifier

Art. No. 340641

EAN Number 5702663406414

No. of inputs 2

No. of outputs 1



MFA 642 - 2 Input - UHF/FM Multiband mast amplifier

Art. No. 340642

EAN Number 5702663406421

No. of inputs 2

No. of outputs 1



MFA 645 - 2 Input - UHF/BIII/DAB - Multiband mast amplifier

Art. No. 340645

EAN Number 5702663406452

No. of inputs 2

No. of outputs 1



MFA 652 - 2 Input - UHF/VHF Multiband mast amplifier

Art. No. 340652

EAN Number 5702663406520

No. of inputs 2

No. of outputs 1



MFA 655 - 3 Input - UHF/BIII/DAB/FM Multiband mast amplifier

Art. No. 340655

EAN Number 5702663406551

No. of inputs 3

No. of outputs 1



TRIAX® outdoor masthead amplifiers

for excellent terrestrial reception



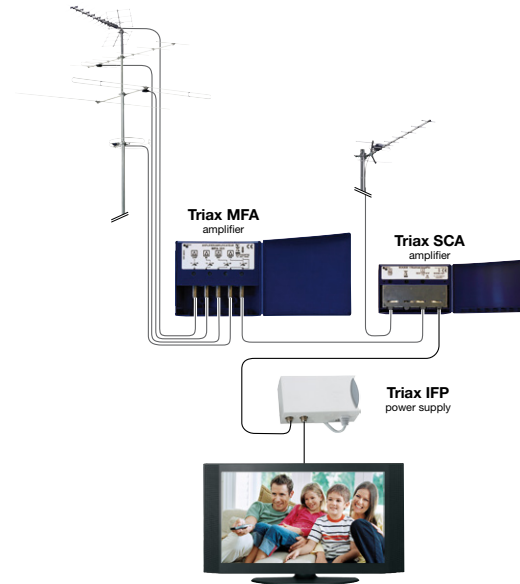
MFA 665 - 3 Input
UHF/UHF/VHF
Multiband mast amplifier

Art. No. 340665

EAN Number 5702663406650

Number of inputs 3

Number of outputs 1



Type:	MFA 622 UHF/UHF	MFA 641 UHF/FM	MFA 642 UHF/FM	MFA 645 UHF/BIII/DAB	MFA 652 UHF/VHF	MFA 655 UHF/BIII/ DAB/FM	MFA 665 UHF/UHF/ VHF
Art. no.	340622	340641	340642	340645	340652	340655	340665
CHARACTERISTICS							
Max. output level	105 dBµV	105 dBµV	105 dBµV	105 dBµV	102 dBµV	105 dBµV	109 dBµV
FREQUENCY							
Input 1 - band	UHF	UHF	UHF	UHF	UHF	UHF	UHF
Input 1 - channels	21...69	21...69	21...69	21...69	21...69	21...69	21...69
Input 1 - frequency	470...860 MHz						
Input 2 - band	UHF	BII	BII	BIII/DAB	VHF	BII	UHF
Input 2 - channels	21...69	FM	FM	5...12	2...12	FM	21...69
Input 2 - frequency	470...860MHz	87.5...108MHz	87.5...108MHz	174...230MHz	47...230MHz	87.5...108MHz	470...860MHz
Input 3 - band						BIII/DAB	VHF
Input 3 - channels						5...12	2...12
Input 3 - frequency						174...230MHz	47...230MHz
GAIN							
Input 1 - gain	20-30dB	24...34dB	24...34dB	24...34dB	13...23dB	13...23dB	19...29dB
Input 1 - noise figure	6.5dB	2.5dB	2.5dB	2.5dB	4.5dB	4.3dB	3,8dB
Input 2 - gain	20...30dB	14...24dB	- 2dB	14...24dB	13...23dB	2...12dB	12...22dB
Input 2 - noise figure	6.5dB	4.5dB		4.5dB	4.0dB	6.5dB	12dB
Input 3 - gain						13...23dB	13...23dB
Input 3 - noise figure						3.5dB	4.5dB
RETURN LOSS							
Return Loss		10/10dB	10/10dB	10/10dB	10/10dB	10/10dB	10/10dB
ELECTRICAL*							
Impedance	75Ω	75Ω	75Ω	75Ω	75Ω	75Ω	75Ω
OPERATIONAL							
DC Operating voltage	12...24VDC	12...24VDC	12...24VDC	12...24VDC	12...24VDC	12...24VDC	12...24VDC
LED indicator		Yes - green	Yes - green	Yes - green	Yes - green	Yes - green	Yes - green
CONNECTORS							
Connector Type	F-female	F-female	F-female	F-female	F-female	F-female	F-female
Number of inputs	2	2	2	2	2	3	3
Number of outputs	2	1	1	1	1	1	1
MECHANICAL							
Depth (mm)	60mm	60mm	60mm	60mm	60mm	60mm	60mm
Height (mm)	115mm	115mm	115mm	115mm	115mm	115mm	115mm

TRIAX® outdoor masthead amplifiers

for excellent terrestrial reception



Common features

High performance range of mast amplifiers with F-connector

- F-connectors on all in- and outputs
- Simple and easy installation
- Unique mounting system
- Attractive design in a 4-terminal waterproof masthousing

- Wide range with 1, 2 or 3 inputs and 1 output
- High gain and output voltage
- Fixed or adjustable gain
- Low noise figures
- Power stabiliser enables use of 12V to 24V
- High output level
- RF shielded and CE compliant (EN 50083)



MFA 302 - 1 Input - UHF/BIII Group mast amplifier

Art. No. 340302

EAN Number 5702663403024

No. of inputs 1

No. of outputs 1



MFA 633 - 1 Input - UHF Group mast amplifier

Art. No. 340633

EAN Number 5702663406339

No. of inputs 1

No. of outputs 1



MFA 612 - 1 Input - UHF Group mast amplifier

Art. No. 340612

EAN Number 5702663406124

No. of inputs 1

No. of outputs 1



MFA 661 - 1 Input - UHF Wideband mast amplifier LTE 800 Protected

Art. No. 340661

EAN Number 5702663406612

No. of inputs 1

No. of outputs 1



MFA 624 - 1 Input - UHF Wideband mast amplifier

Art. No. 340624

EAN Number 5702663406247

No. of inputs 1

No. of outputs 1



TRIAX[®] outdoor masthead amplifiers

for excellent terrestrial reception

AFA Micro UHF amplifier

The active wideband micro amplifier can change your UHF-aerial with F-connector, to an active antenna. It works with 5 VDC from your digital Set Top Box, or with 5-12 VDC from any power supply.



AFA Micro - 1 Input - UHF
Wideband mast amplifier

Art. No. 340012

EAN Number 5702663400122

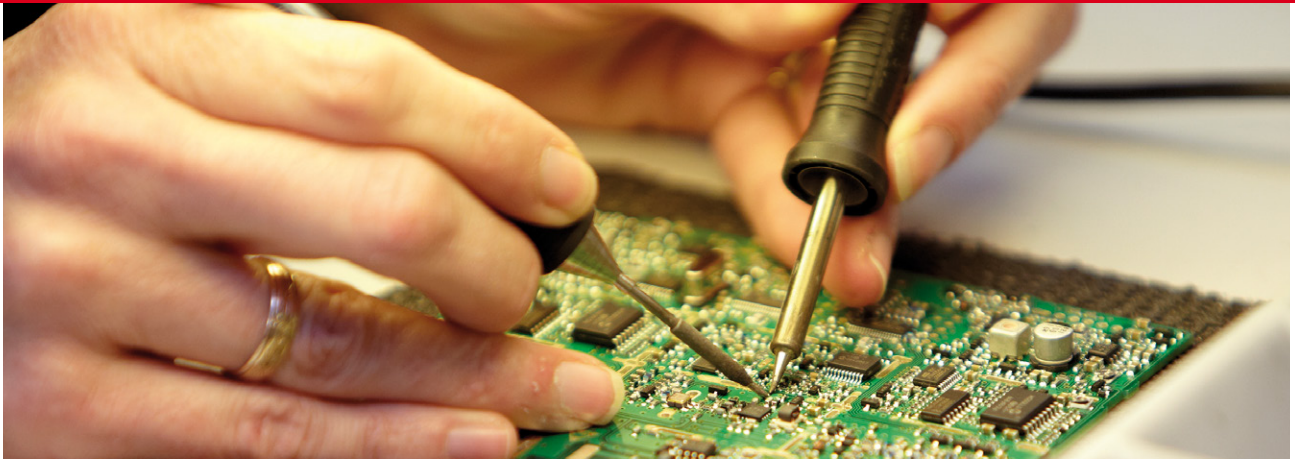
No. of inputs 1

No. of outputs 1

Type:	AFA Micro UHF	MFA 302 UHF/BIII	MFA 612 UHF	MFA 624 UHF	MFA 633 UHF	MFA 661 UHF/LTE 800
Art. no.	340012	340302	340612	340624	340633	340661
CHARACTERISTICS						
Max. output level	95 dB μ V	103 dB μ V	105 dB μ V	105 dB μ V	105 dB μ V	112 dB μ V
FREQUENCY						
Input 1 - band	UHF	UHF+BIII	UHF	UHF	UHF	UHF
Input 1 - channels	21...69	21...69/5...12	21...69	21...69	21...69	21...60
Input 1 - frequency	470...860MHz	175...860MHz	470...860MHz	470...860MHz	470...860MHz	470...790MHz
Input 2 - band					AM/BII	
Input 2 - channels					AM/FM	
Input 2 - frequency					2.5-108MHz	
GAIN						
Input 1 - gain	12dB	20dB	12dB	25.0dB	24...34dB	17dB
Input 1 - noise figure	2.3dB	3.0dB	1.9dB	2.5dB	2.5dB	<2.2dB
Input 2 - gain						
Input 2 - noise figure		3.0dB				
RETURN LOSS						
Return Loss	>10dB	dB	10dB	10dB	10dB	>10dB
ELECTRICAL*						
Impedance	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω	75 Ω
OPERATIONAL						
DC Operating voltage	5...12VDC	12...24VDC	12...24VDC	12...24VDC	12...24VDC	5...24VDC
LED indicator						Yes - green
CONNECTORS						
Connector Type	F-male/F-female	F-female	F-female	F-female	F-female	F-female
Number of inputs	1	1	1	1	1	1
Number of outputs	1	1	1	1	1	1
MECHANICAL						
Depth (mm)		70mm	60mm	60mm	60mm	50mm
Height (mm)	45mm	150mm	115mm	115mm	115mm	108mm

TRIAX® outdoor-indoor stop filters

stop channel filter – LTE 800 protected



Common features

In most electronics it pays well to invest in quality. By choosing TRIAX products, you can be sure of many years of operation without difficulties. Our range of mast stop channel filters are designed to cut off channel 49-69 where 4G/LTE mobile broadband services are transmitted:

- Input/output: BI/BII/BIII (DAB)/UHF
- High rejection
- Low through loss
- Mast or wall mounting
- High quality weather proof mast housing
- Simple and easy mast mounting



TBSO 257 outdoor Stop Ch. 57 - LTE 800 Protected

Art. No. 314075

EAN Number 5702663140752

No. of inputs 1

No. of outputs 1



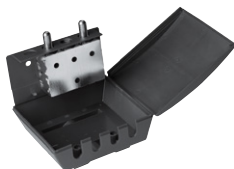
TBSI 257 indoor Stop Ch. 57 - LTE 800 Protected

Art. No. 314074

EAN Number 5702663140745

No. of inputs 1

No. of outputs 1



TBSO 259 outdoor Stop Ch. 59 - LTE 800 Protected

Art. No. 314071

EAN Number 5702663140714

No. of inputs 1

No. of outputs 1



TBSI 259 indoor Stop Ch. 59 - LTE 800 Protected

Art. No. 314070

EAN Number 5702663140707

No. of inputs 1

No. of outputs 1



TBSO 260 outdoor Stop Ch. 60 - LTE 800 Protected

Art. No. 314073

EAN Number 5702663140738

No. of inputs 1

No. of outputs 1



TBSI 260 indoor Stop Ch. 60 - LTE 800 Protected

Art. No. 314072

EAN Number 5702663140721

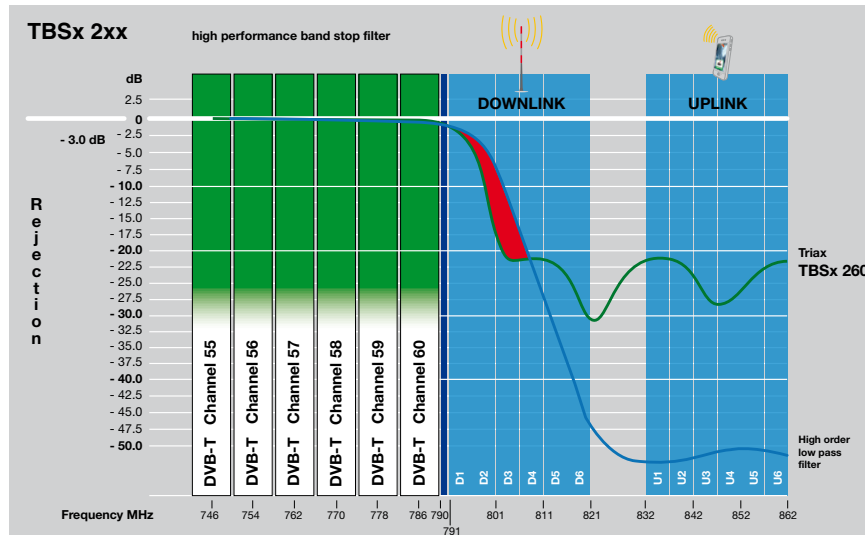
No. of inputs 1

No. of outputs 1



TRIAx[®] outdoor-indoor stop filters

stop channel filter – LTE 800 protected



Type:	TBSO 257 Ch. 57 LTE 800	TBSO 259 Ch. 59 LTE 800	TBSO 260 Ch. 60 LTE 800	TBSI 257 Ch. 57 LTE 800	TBSI 259 Ch. 59 LTE 800	TBSI 260 Ch. 60 LTE 800
Art. no.	314075	314071	314073	314074	314070	314072
CHARACTERISTICS						
Type	Stop filter	Stop filter	Stop filter	Stop filter	Stop filter	Stop filter
FREQUENCY						
Input 1 - band	BI/BII/BIII (DAB)/UHF	BI/BII/BIII (DAB)/UHF	BI/BII/BIII (DAB)/UHF	BI/BII/BIII (DAB)/UHF	BI/BII/BIII (DAB)/UHF	BI/BII/BIII (DAB)/UHF
Input 1 - channels	2...57	2...59	2...60	2...57	2...59	2...60
Input 1 - frequency	47...766MHz	47...782MHz	47...790MHz	47...766MHz	47...782MHz	47...790MHz
LOSS						
Input 1 - Rejection	@791-862MHz: 28dB	@792-795MHz: 10dB / @795-862MHz: 20dB	@800-803MHz: 12dB / @803-862MHz: 20dB	@791-862MHz: 28dB	@792-795MHz: 10dB / @795-862MHz: 20dB	@800-803MHz: 12dB / @803-862MHz: 20dB
Input 1 - through loss	@47-766MHz: 2.0dB	@47-766MHz: 1.0dB / @766- 782MHz: 3.0dB	@47-774MHz: 1.0dB / @774- 790MHz: 3.0dB	@47-766MHz: 2.0dB	@47-766MHz: 1.0dB / @766- 782MHz: 3.0dB	@47-774MHz: 1.0dB / @774- 790MHz: 3.0dB
CONNECTORS						
Connector Type	F-female	F-female	F-female	F-female	F-female	F-female
Number of inputs	1	1	1	1	1	1
Number of outputs	1	1	1	1	1	1
MECHANICAL						
Colour	RAL 7016	RAL 7016	RAL 7016	White	White	White
Height (mm)	108mm	145mm	108mm	75mm	75mm	75mm
Width (mm)	120mm	107mm	120mm	75mm	75mm	75mm

TRIAX® outdoor mast combiners

multiband mast combiners



Common features

In mast electronics it pays well to invest in quality. By choosing TRIAX products, you can be sure of many years of operation without difficulties. Our range of mast combiners are designed to cut off channel 49-69 where 4G/LTE mobile broadband services are transmitted:

- Input/output: BI/BII/BIII (DAB)/UHF
- High Rejection
- Low through loss
- F-connector
- High quality weather proof mast housing
- Simple and easy mast mounting

MFC 101 - SAT/TV combiner

Art. No. 340101

EAN Number 5702663401013
 No. of inputs 2
 No. of outputs 1



MFC 105 - TV/TV combiner

Art. No. 340105

EAN Number 5702663401051
 No. of inputs 2
 No. of outputs 1



MFC 102 - SAT/UHF/VHF combiner

Art. No. 340102

EAN Number 5702663401020
 No. of inputs 3
 No. of outputs 1



MFC 106 - TV/FM combiner

Art. No. 340106

EAN Number 5702663401068
 No. of inputs 2
 No. of outputs 1



MFC 104 - UHF/BIII/AM/FM combiner

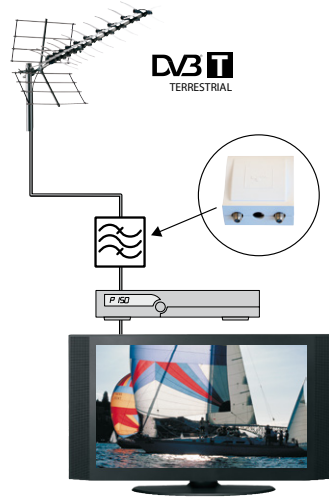
Art. No. 340104

EAN Number 5702663401044
 No. of inputs 3
 No. of outputs 1



TRIAX[®] outdoor mast combiners

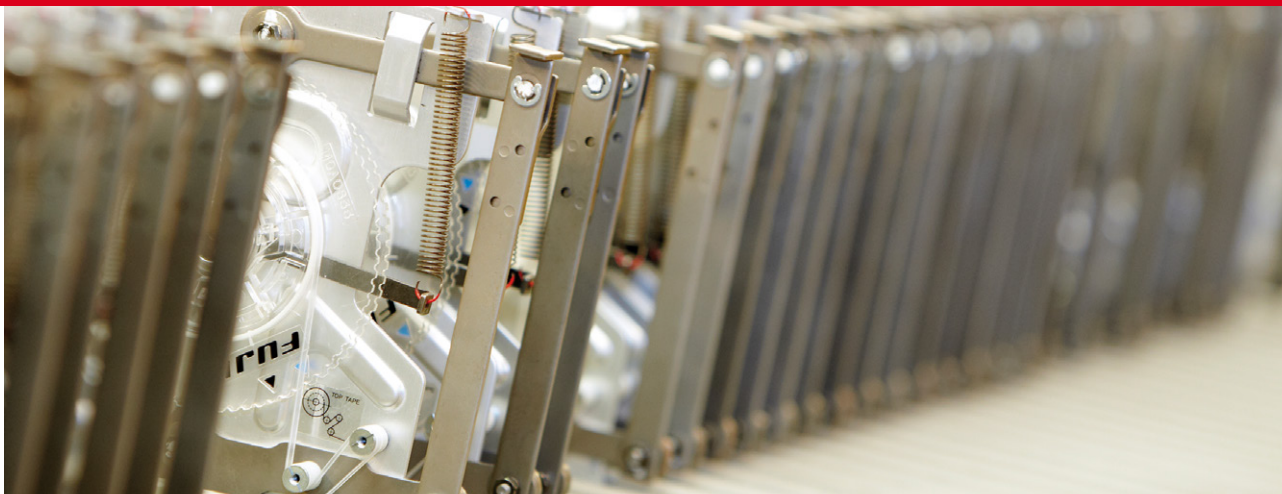
multiband mast combiners



Type:	MFC 101 SAT/TV	MFC 102 SAT/UHF/VHF	MFC 102 SAT/UHF/VHF (blister pack)	MFC 104 - UHF/ BIII/AM/FM	MFC 105 TV/TV	MFC 106 TV/FM
Art. no.	340101	340102	-	340104	340105	340106
CHARACTERISTICS						
Type	Combiner	Combiner		Combiner	Combiner	Combiner
FREQUENCY						
Input 1 - band	SAT	SAT		UHF	VHF/UHF	VHF/UHF
Input 1 - channels	IF	IF		21-69	2-69	2-69
Input 1 - frequency	950-2150MHz	950-2150MHz		470-862MHz	47-862MHz	47...68 / 139...862MHz
Input 1 - stop channel						
Input 2 - band	VHF/UHF	UHF		VHF	VHF/UHF	BII
Input 2 - channels	2-69	21...69		5-12	2-69	FM
Input 2 - frequency	47-862MHz	470-862MHz		175-230MHz	47-862MHz	87.5-108MHz
Input 3 - band		VHF		AM/FM		
Input 3 - channels		2-12		1-4		
Input 3 - frequency		47-230MHz		0.15-108MHz		
LOSS						
Input 1 - Stop Band Attenuation	50dB	50dB		20dB	20dB	20dB
Input 1 - through loss	3.0dB	3.0dB		2.0dB	4.0dB	1.0dB
Input 2 - Stop Band Attenuation	20dB	20dB		20dB	20dB	20dB
Input 2 - through loss	2.0dB	2.0dB		1.5dB	4.0dB	1.0dB
Input 3 - Stop Band Attenuation		20dB				
Input 3 - through loss		1.5dB		1.0dB		
Input 4 - through loss						
OPERATIONAL						
DC Passthrough	Yes SAT	Yes SAT		Yes UHF	Yes VHF/UHF	Yes VHF/UHF
CONNECTORS						
Connector Type	F-female	F-female		F-female	F-female	F-female
Number of inputs	2	3		3	2	2
Number of outputs	1	1		1	1	1
MECHANICAL						
Colour	RAL 7016	RAL 7016		RAL 7016	RAL 7016	RAL 7016
Height (mm)	117mm	117mm		117mm	117mm	117mm
Width (mm)	120mm	120mm		120mm	120mm	120mm
Remarks	DC through power SAT	DC through power SAT		DC through power UHF		DC through power VHF/UHF

TRIAX[®] mast combiners

TV – TV/SAT combiners



Common features

In mast electronics it pays well to invest in quality. By choosing TRIAX products, you can be sure of many years of operation without difficulties. Our range of TV and TV/SAT combiners perform whatever the environment:

- High Rejection
- Low through loss
- F-connector
- High quality weather proof mast housing
- Simple and easy mast mounting



MFC 130 TV combiner

Art. No. 340130

EAN Number 5702663401303

No. of inputs 2

No. of outputs 1



MFC 140 TV combiner

Art. No. 340140

EAN Number 5702663401402

No. of inputs 3

No. of outputs 1



CTS 2400 TV/SAT combiner (diecast)

Art. No. 511102

EAN Number 3700113422078

No. of inputs 2

No. of outputs 1



Triax 110 TV/SAT combiner (diecast)

Art. No. 340110

EAN Number 5702663401105

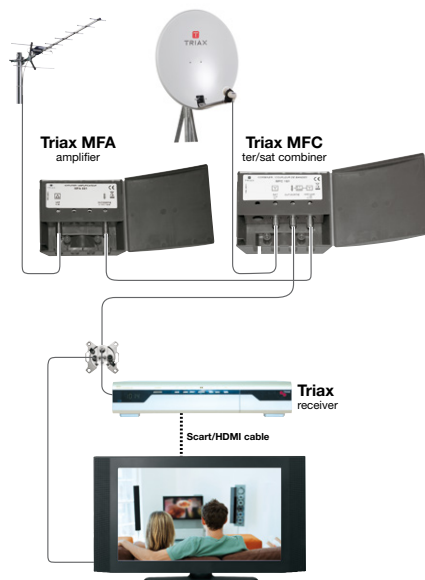
No. of inputs 2

No. of outputs 1



TRIAX® mast combiners

TV – TV/SAT combiners



Type:	MFC 130 TV	MFC 140 TV	CTS 2400 TV/SAT (diecast)	Triax 110 TV/SAT (diecast)
Art. no.	340130	340140	511102	340110
CHARACTERISTICS				
Type	Combiner	Combiner	Combiner	Combiner
FREQUENCY				
Input 1 - band	UHF	UHF		SAT
Input 1 - channels	21-69	21-69	2...69	IF
Input 1 - frequency	470-862MHz	470-862MHz	5...862MHz	950-2400MHz
Input 1 - stop channel				
Input 2 - band	VHF	BIII		VHF/UHF
Input 2 - channels	2-12	5-12		2-69
Input 2 - frequency	47-230MHz	174-230MHz	950...2400MHz	47-862MHz
Input 3 - band		AM/BII		
Input 3 - channels				
Input 3 - frequency		2.5-108MHz		
LOSS				
Input 1 - Rejection				
Input 1 - Stop Band Attenuation	16dB	20dB		22/25dB
Input 1 - through loss	1.0dB	1.0dB	2.0dB	2.0/3.0dB
Input 2 - Stop Band Attenuation	16dB	20dB		20dB
Input 2 - through loss	1.0dB	1.0dB	2.5dB	2.0dB
Input 3 - Stop Band Attenuation		25dB		
Input 3 - through loss		3.5/1.0dB		
OPERATIONAL				
DC Passthrough	Yes	Yes UHF		Yes SAT
CONNECTORS				
Connector Type	F-female	F-female		F-female
Number of inputs	2	3		2
Number of outputs	1	1	1	1
MECHANICAL				
Colour	RAL 7016	RAL 7016		
Height (mm)	115mm	115mm		38mm
Width (mm)	117mm	117mm		75mm
Remarks	Mechanical throughpower on both inputs 5-24	DC throughpower UHF output 5-24		Diecast housing. DC throughpower to SAT input

TRIAX® LTE filters

for in- and outdoor



Common features

Our high performance band stop LTE filters protect from interference on DVB-T signals, and protect from overload from strong LTE signals (base station transmitters) on antenna amplifiers, TV tuners, set top boxes, and TVs.

The filters protect from the entire LTE mobile broadband spectrum Ch 61-69 (791-862 MHz), and are customised to

provide the highest protection in the LTE downlink frequency spectrum 791-821 MHz, where LTE transmission levels will be highest.

The 700 MHz filters have weatherproof F-connectors with O-rings, ensuring they are suitable for in- and outdoor use, whatever the weather.



700MHz LTE LP Out-/Indoor filter - Ch.46

Art. No. 314178

EAN Number 5702663141780

No. of inputs

No. of outputs



800MHz LTE LP filter - Ch.58

Art. No. 360112

EAN Number 5702663601123

No. of inputs 1

No. of outputs 1



700MHz LTE LP Out-/Indoor filter - Ch.48

Art. No. 314176

EAN Number 5702663141766

No. of inputs

No. of outputs



800MHz LTE LP filter - Ch.59

Art. No. 360113

EAN Number 5702663601130

No. of inputs 1

No. of outputs 1



4G/LTE In- Line Filter Kit Ch. 59 - IEC conn. LTE 800 Protected

Art. No. 314080

EAN Number 5702663140806

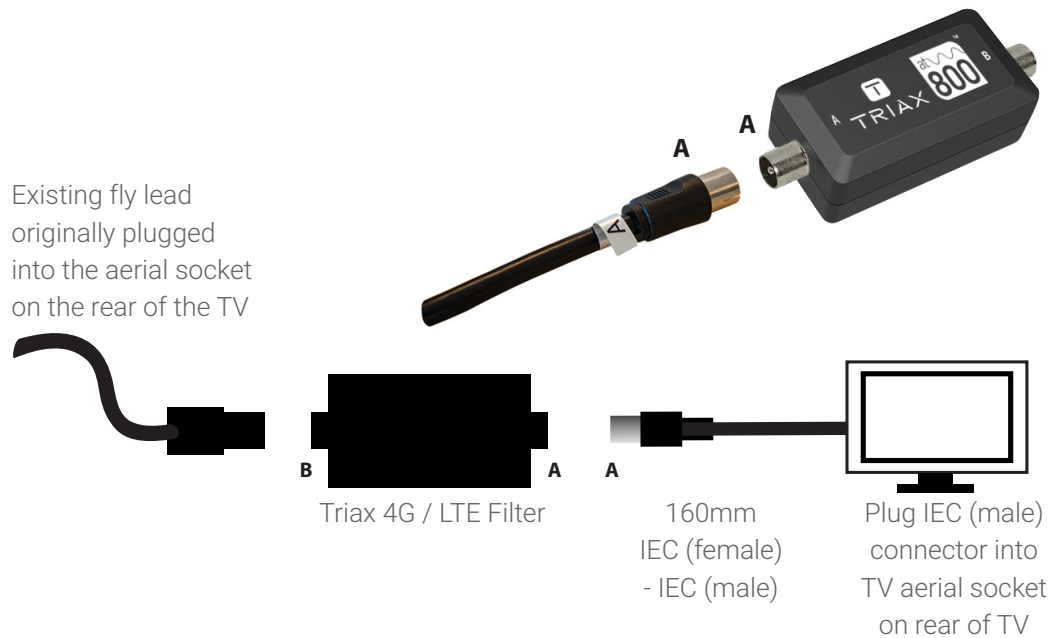
No. of inputs 1

No. of outputs 1



TRIAX® LTE filters

for indoor



Type:	LTE 700 LP filter Ch. 46	LTE 700 LP filter Ch. 48	4G/LTE 800 Ch. 59	LTE 700 LP filter Ch. 58	LTE 700 LP filter Ch. 59
Art. no.	314178	314176	314080	360112	360113
Type	LTE filter	LTE filter	LTE filter	LTE filter	LTE filter
FREQUENCY					
Input 1 - frequency	5...678MHz	5...694MHz	5...782MHz	47...774MHz	47...782MHz
Input 1 - stop channel			59	58	59
LOSS					
Input 1 - Rejection	> 50.0dB	> 50.0dB		50.0 @791MHzdB	20.0 @791MHzdB
Input 1 - through loss	1.0dB	0.8...3.0dB	<4.0dB	≤ 6.5@774MHzdB	≤ 6.5@782MHzdB
DC Passthrough	Yes (30VDC / 1A)	Yes (30VDC / 1A)	Yes (12VDC/300mA)	Yes (max. 500mA)	Yes (max. 500mA)
CONNECTORS					
Connector Type	IEC-male / IEC-female	IEC-male / IEC-female	IEC-male / IEC-female	F-female	F-female
Number of inputs	1	1	1	1	1
Number of outputs	1	1	1	1	1
MECHANICAL					
Colour			Black		
Height (mm)	Ø 11 mm	Ø 11 mm	22 mm	Ø 11 mm	Ø 11 mm
Length (mm)			82 mm		
Width (mm)	45 mm	45 mm	32mm	45 mm	45 mm
Remarks			Kit contains: 4G Filter/Fly Lead Adhesive pad User Guide		

TRIAX[®] high quality power supplies

in an elegant design



Common features

TRIAX power supplies, some with LTE filters, are indoor power supplies for masthead amplifiers, providing a 'last defence' filter function against local LTE/4G interference. Easy to install, they plug into any EU VDE Mains wall outlet.

- F-connectors for maximum shielding.
- Green LED indication of Mains power.
- White indoor housing.
- LTE filter 6-23 dB, (790-821MHz).
- High current load possible, 12 VDC, 100mA.
- For mains power, 230 VAC, 50/60 Hz.



IFP 101 LTE 800 PSU
+12Vdc - 100mA
1 output

Art. No. 370102
EAN Number
5702663701021



IFP 102 LTE 700 PSU
+12Vdc - 100mA
2 outputs

Art. No. 370114
EAN Number
5702663701144



IFP 101 LTE 700 PSU
+12Vdc - 100mA
1 output

Art. No. 370113
EAN Number
5702663701137



F 100/1 LTE 800 PSU
+12Vdc - 100mA
1 output

Art. No. 370111
EAN Number
5702663701113



IFP 102 LTE 800 PSU
+12Vdc - 100mA
2 outputs

Art. No. 370109
EAN Number
5702663701090



IEC 100/1 LTE 800 PSU
+12Vdc - 100mA
1 output

Art. No. 370112
EAN Number
5702663701120



TRIAX[®] high quality power supplies

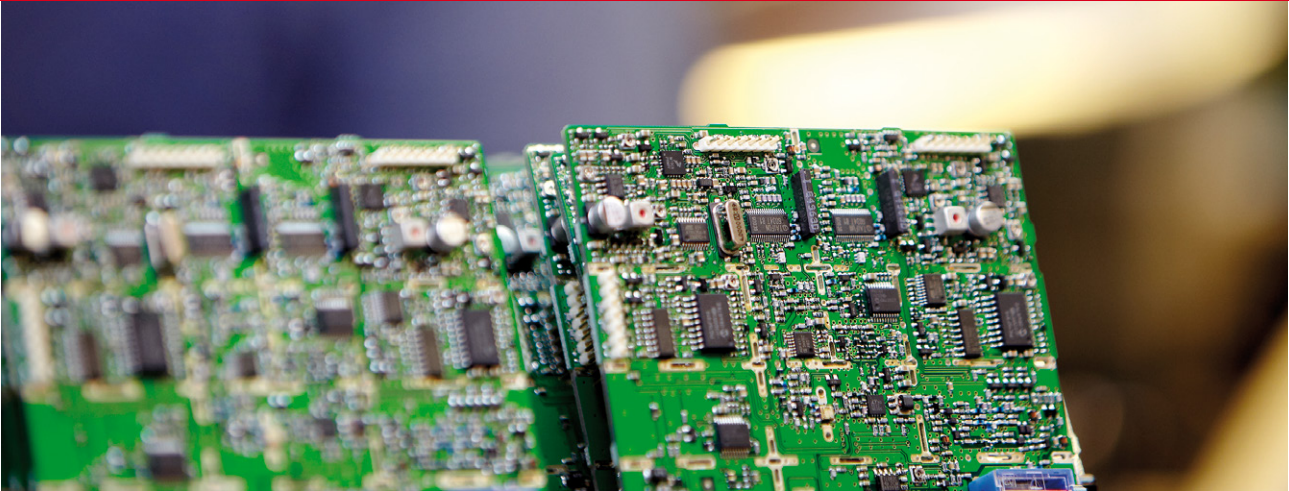
in an elegant design



Type:	IFP 101 Power supply LTE 800	IFP 101 Power supply LTE 700	IFP 102 Power supply LTE 800	IFP 102 Power supply LTE 700	LTE F 100/1 Power supply LTE 800	LTE IEC 100/1 Power supply LTE 800
Art. no.	370102	370103	370109	370114	370111	370112
CHARACTERISTICS						
Type	PSU	PSU	PSU	PSU	PSU	PSU
FREQUENCY						
Band	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF
Frequency range	5-790MHz	5-694MHz	5-790MHz	5-790MHz	5-790 MHz	5-790 MHz
LOSS						
Through loss	<2.0dB	dB	6.0dB	6.0dB	dB	dB
ELECTRICAL						
Impedance	75Ω	75Ω	75Ω	75Ω	75Ω	75Ω
OPERATIONAL						
AC Supply voltage	230VAC	230VAC	230VAC	230VAC	230Vac +/- 10%, 3VAVAC	230Vac +/- 10%, 3VAVAC
PSU out DC voltage	12VDC	12VDC	12VDC	12VDC	12VDC	12VDC
PSU out max. DC current	100mA	100mA	100mA	100mA	mA	mA
CONNECTORS						
Connector Type	F-female	F-female	F-female	F-female	F-female	IEC-female
Number of inputs	1	1	1	1	1	1
Number of outputs	1	1	2	2	1	1
MECHANICAL						
Colour	White	White	White	White	Antrazit	Antrazit
Height (mm)	70mm		70mm		200mm	200mm
Width (mm)	140mm		140mm		88mm	88mm
Remarks					Screened Housing, gold plated connectors, UK plug only	Screened Housing

TRIAX[®] high quality power supplies

in an elegant design



Common features

TRIAX power supplies and power inserters are indoor power supplies for masthead amplifiers and UFO omnidirectional aerials:

- F-connectors for maximum shielding.
- Green LED indication of mains power.
- White indoor housing.
- LTE filter 6-23 dB, (790-821MHz).
- High current load possible, 12 VDC, 100mA.
- For Mains Power, 230 VAC, 50/60 Hz.



IFP 501 Power supply
+12Vdc - 1 output - 85mA

Art. No. 339501

EAN Number 5702663395015

No. of inputs 1

No. of outputs 1



IFP 504 Power Supply
+24Vdc - 2 outputs - 45mA

Art. No. 339504

EAN Number 5702663395046

No. of inputs 1

No. of outputs 2



IFP 502 Power Supply
+12Vdc - 2 outputs - 85mA

Art. No. 339502

EAN Number 5702663395022

No. of inputs 1

No. of outputs 2



IFP 505 Power supply +5Vdc
1 output - 45mA

Art. No. 339505

EAN Number 5702663395053

No. of inputs 1

No. of outputs 1



IFP 503 Power supply
+24Vdc - 1 output - 45mA

Art. No. 339503

EAN Number 5702663395039

No. of inputs 1

No. of outputs 1



TRIAX[®] high quality power supplies

in an elegant design



IFP 522 Power Supply/Inserter +12Vdc - for UFO aerials

Art. No. 339522

EAN Number 5702663395220

No. of inputs 2

No. of outputs 2



Type:	IFP 501 Power supply	IFP 502 Power Supply	IFP 503 Power supply	IFP 504 Power Supply	IFP 505 Power supply	IFP 522 Power Supply / Inserter
Art. no.	339501	339502	339503	339504	339505	339522
CHARACTERISTICS						
Type	Power Supply					UFO Aerials
FREQUENCY						
Band	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF
Frequency range	47-862MHz	47-862MHz	47-862MHz	47-862MHz	47-862MHz	47-862MHz
LOSS						
Through loss	1.0dB	4.0dB	1.0dB	4.0dB	1.0dB	4dB
ELECTRICAL*						
Impedance	75Ω	75Ω	75Ω	75Ω	75Ω	75Ω
OPERATIONAL						
AC Supply voltage	230VAC	230VAC	230VAC	230VAC	230VAC	230VAC
PSU output						
DC voltage	12VDC	12VDC	24VDC	24VDC	5VDC	12VDC
PSU output						
max. DC current	85mA	85mA	45mA	45mA	45mA	85mA
CONNECTORS						
Connector Type	F-female	F-female	F-female	F-female	F-female	F-female
Number of inputs	1	1	1	1	1	2
Number of outputs	1	2	1	2	1	2
MECHANICAL						
Colour	white	white	white	white	white	white
Height (mm)	61mm	61mm	61mm	61mm	61mm	61mm
Width (mm)	118mm	118mm	118mm	118mm	118mm	118mm
Packing QTY	1	1	1	1	1	1
Remarks						F-connector/ DC jack and red/black cable for battery

TRIAX[®] indoor multiband amplifiers

GNS multiband amplifiers with fix selective paths



Common features

High performance low-noise multi band amplifiers for both analogue and digital signals.

The amplifiers have up to four highly selective band inputs and one output, and are excellent for use in small and medium sized distribution systems where signals are received via terrestrial antennas.

They are also recommended for combining FM, DVB-T and DAB reception with SAT reception in a SMATV distribution network.



**GNS 20 - multiband amplifier
- 3 input**

Art. No. 339120

EAN Number
5702663391208



**GNS 35 - multiband amplifier
- 4 input**

Art. No. 339135

EAN Number
5702663391352



**GNS 30 - multiband amplifier
- 4 input**

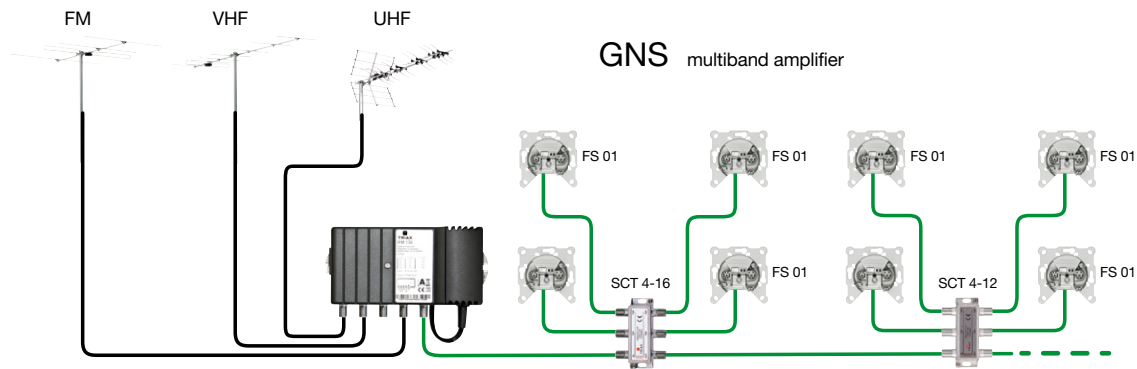
Art. No. 339130

EAN Number
5702663391307



TRIAX[®] indoor multiband amplifiers

GNS multiband amplifiers



Type:	GNS 20 m ultiband amplifier 3 input	GNS 30 multiband amplifier 4 input	GNS 35 multiband amplifie 4 input
Art. no.	339120	339130	339135
CHARACTERISTICS			
Output level @ IMD 2	102.0dB μ V	105.0dB μ V	110.0dB μ V
Output level @ IMD 3	113.0dB μ V	115.0dB μ V	121.0dB μ V
FREQUENCY			
Input 1 - band	UHF	UHF	UHF
Input 1 - frequency	470-862MHz	470-862MHz	470-862MHz
Input 2 - band	BIII	BIII	BIII
Input 2 - frequency	174-230MHz	174-230MHz	174-230MHz
Input 3 - band		BI	UHF
Input 3 - frequency		47-68MHz	470-860MHz
Input 4 - band	BI/FM	FM	BI/FM
Input 4 - frequency	47-68/ 87.5-108MHz	87.5-108MHz	47-68/ 87.5-108MHz
GAIN			
Input 1 - gain	22.0dB	31.0dB	35.0dB
Input 1 - noise figure	4.0dB	4.0dB	7.0dB
Input 2 - gain	20.0dB	30.0dB	34.0dB
Input 2 - noise figure	4.0dB	4.0dB	5.0dB
Input 3 - gain		30.0dB	35.0dB
Input 3 - noise figure		4.0dB	7.0dB
Input 4 - gain	20.0dB	30.0dB	34.0dB
Input 4 - noise figure	4.0dB	4.0dB	5.0dB
ELECTRICAL			
Impedance	75 Ω	75 Ω	75 Ω
OPERATIONAL			
Level control at all inputs	0...-20dB	0...-20dB	0...-20dB
Operating temp. range	-25 ... + 55°C	-25 ... + 55°C	-25 ... + 55°C
AC Supply voltage	230 \pm 10%VAC	230 \pm 10%VAC	230 \pm 10%VAC
Power Consumption (typ.)	3.5W	6.0W	7.5W
Reference standards	EN 50083-3 - Class 2 / EN 50083-1; EN 60065 / EN 50083-2 / RoHS 2002/95/EG compliant		
CONNECTORS			
Number of inputs	3	4	4
Number of outputs	1	1	1
RF connector - input	F-female	F-female	F-female
RF connector - output	F-female	F-female	F-female
MECHANICAL			
Packing QTY	1	1	1

TRIAX[®] programmable amplifiers

TMB multi band amplifiers with programmable paths



Common features

Everything you need for amplifying and distributing a large number of signals into a network:

- 10 highly selective and adjustable filters in the UHF frequency range secure high flexibility. Each of these clusters can have 1-7 channels (56 MHz) bandwidth.
- High flexibility
- Switchable input amplifier stage
- 6 inputs: FM/DAB/VHF/UHF and 3 UHF inputs split over 10 UHF programmable clusters
- Automatic or manual levelling of the signal
- Easy programming – designed for both digital and analogue operation

The TMB 2000 Terrestrial Channel Processor

The TMB 2000 Terrestrial Channel Processor filters, converts and amplifies multiple antenna signals in a highly compact headend unit. Up to 4 VHF/UHF aerials with more than 50 channels and an FM antenna can be connected. Channels are selectively processed into an array of terrestrial broadcast stations, gained and equalised at high levels in order to drive a coaxial MATV distribution network in multi-dwellings and housing blocks.

Unrivalled flexibility

- 4 TV antenna inputs for mixing more than 50 VHF and UHF channels
- Separate FM antenna input
- Straightforward filtering and channel conversion

Highest selectivity

- Low interference between antenna signals
- Automatic LTE protection (4G/5G) caused by 50dB suppression on adjacent channels

Straightforward and reliable

- Easy to set up
- Copy configurations quickly by SD card
- Input levels readout
- Real-time AGC
- Compact size
- Professional mains adapter



TMB 100
Prog. Multiband AMP.
5 input - TER

Art. No. 360223

EAN Number
5702663602236



TMB 100S
Prog. Multiband AMP.
6 input - TER + SAT

Art. No. 324580

EAN Number
5702663245808



TMB 2000
Terrestrial Channel
Processor
4 input + TER

Art. No. 360235

EAN Number
5702663602359



TRIAX[®] programmable amplifiers

TMB with programmable paths

Type:	TMB 100 Prog. Multiband AMP. 5 input - TER	TMB 100S Prog. Multiband AMP. 6 input - TER + SAT	TMB 2000 Terrestrial Ch. Processor 4 VHF/UHF + 1 FM
Art. no.	360223	324580	360235
CHARACTERISTICS			
Input level - FM	< 90dB μ V	< 90dB μ V	37...77dB μ V
Input level - BIII/DAB	< 80dB μ V	< 80dB μ V	40...109 (@64QAM)dB μ V
Input level - UHF	< 95dB μ V	< 95dB μ V	40...109 (@64QAM)dB μ V
MER			35 (@VHF/UHF)dB
Output level BI/FM			112 @FMdB μ V
Output level BIII/DAB - 170-230 MHz	120dB μ V	120dB μ V	
Output level @ 60dB IMD - VHF			120 (113 @1MUX, 110 @6MUX)dB μ V
Output level @ 60dB IMD - UHF	117dB μ V	115dB μ V	120 (113 @1MUX, 110 @6MUX)dB μ V
Selectivity			35dB/1MHz
Test point			-30dB
FREQUENCY			
Filter Bandwidth VHF	7 (1ch)MHz	7 (1ch)MHz	
Filter Bandwidth UHF	8...56 (1...7ch)MHz	8...56 (1...7ch)MHz	
Filter Selectivity @ 16 MHz	16dB	16dB	
Frequency range BI/FM	47...108MHz	47...108MHz	88...108MHz
Frequency range BIII/DAB	174...240MHz	174...240MHz	174...240MHz
Frequency range UHF	470...862 (LTE on: 790)MHz	470...862 (LTE on: 790)MHz	470...862MHz
Frequency range SAT		950...2150MHz	
Number of channel filters	10	10	>50
LTE protection			Auto select: 694/790/OFF
ESD protection			All inputs
Conversion			Yes - any VHF-UHF ch. to any VHF-UHF ch.
GAIN			
Gain - FM [47-108 MHz]	32dB	32dB	35 (Channel AGC) dB
Gain - BIII/DAB [170-230 MHz]	48dB	48dB	>45 (Channel AGC)dB
Gain - UHF [470-790 MHz]	55dB	55dB	>55 (Channel AGC)dB
Gain - Satellite [950-2150 MHz]		40dB	
Noise figure BI/FM	9dB	9dB	
Noise figure VHF	5dB	5dB	
Noise figure UHF	7dB	7dB	
Noise figure SAT		7dB	
LOSS			
Attenuation	0...20dB	0...20dB	0...20 (FM, VHF, UHF) 0...20 (general all inputs)dB 9 dB
Slope adjustment			
RETURN LOSS			
Return Loss	>8dB	>8dB	
ELECTRICAL			
Impedance	75 Ω	75 Ω	75 Ω
OPERATIONAL			
Screening Efficiency	EN50083-2 (Class A)	EN50083-2 (Class A)	EN50083-2 (Class A)
Operating temperature range	-5...+40°C	-5...+40°C	-5 - +50°C
AC Supply voltage	100...240VAC	100...240VAC	100...240VAC
Power Consumption (typ.)	9...16W	12...18W	16W
Remote Supply	12...24 / 80V/mA	12...24 / 80V/mA	12...24/100V/mA
CONNECTORS			
Connector IN	F-female	F-female	F-female
Connector OUT	F-female	F-female	F-female
Number of inputs	5	5	4 VHF/UHF +1 FM
Number of outputs	1	1	1 FM/VHF/UHF + 1 Test port
MECHANICAL			
Dimensions product (H x D x W)	220x220x50mm	220x220x50mm	165x58x165mm
Packing QTY	1	1	1
Net Weight	1,667kg	1,667kg	0,815kg
Remarks			SD slot for copy configuration & upgrade features

TRIAX® indoor multiband amplifiers

IFB indoor booster amplifiers



Common features

The IFB amplifier series is in same elegant white design as the IFA distribution amplifiers, and are excellent for use in a household connected to a cable network with many channels.

- F-connector
- Wide range with 2 outputs
- Separate adjustable gain on VHF and UHF
- Click-on wall mounting



IFB 402
Indoor booster amplifier

Art. No. 339402

EAN Number
5702663394025



IFB 404
Indoor booster amplifier

Art. No. 339404

EAN Number
5702663394049



IFB 403
Indoor booster amplifier

Art. No. 339403

EAN Number
5702663394032



IFB 406
2-way Terrestrial Amplifier

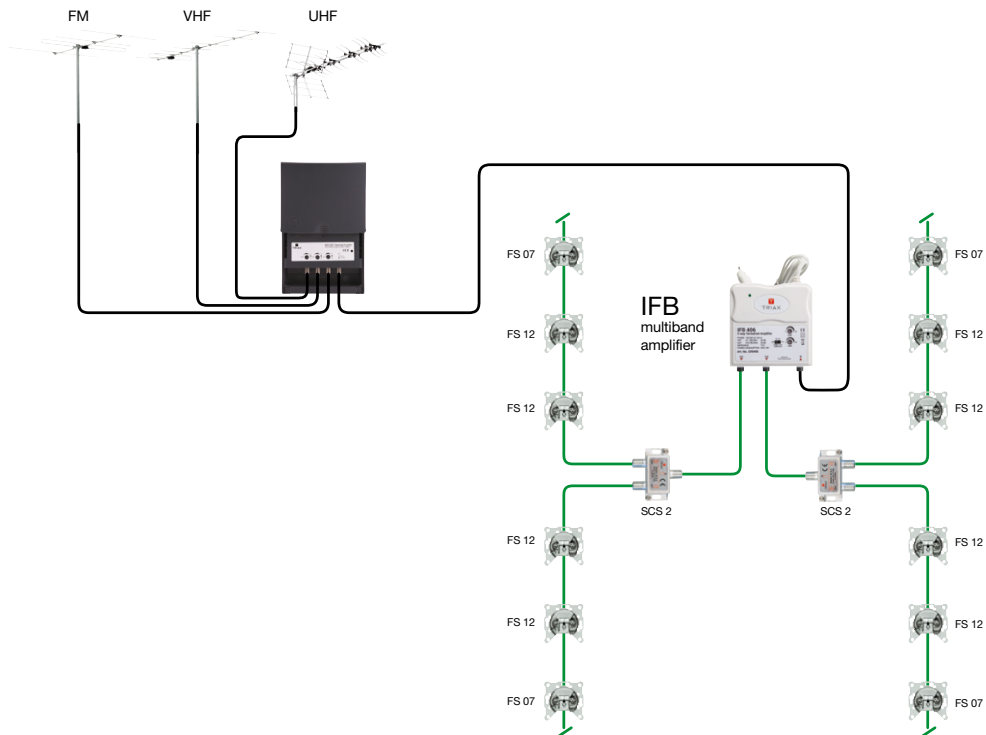
Art. No. 339406

EAN Number
5702663394063



TRIAX® indoor multiband amplifiers

IFB booster amplifiers



Type:	IFB 402 Indoor booster amplifier	IFB 403 Indoor booster amplifier	IFB 404 Indoor booster amplifier	IFB 406 2-way Terr. Amplifier
Art. no.	339402	339403	339404	339406
CHARACTERISTICS				
Output level IMD 3, EN 50083-5	2 X 107.0dBμV	2 X 107.0dBμV	2 X 107.0dBμV	2 x 105dBμV
FREQUENCY				
Band (frequency)	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF
Frequency range	VHF/UHF	VHF/UHF	VHF/UHF	VHF/UHF
GAIN				
Gain	6-16/0-10dB	6-16/6-16dB	7-17dB	15-30/15-30dB
ELECTRICAL				
Impedance	75Ω	75Ω	75Ω	75 Ω
OPERATIONAL				
Certification	CE	CE	CE	CE
AC Supply voltage	230VAC	230VAC	230VAC	190-260VAC
Power Consumption (typ.)	3W	3W	3W	3W
CONNECTORS				
Input connector	F-con	F-con	F-con	F-con
Number of inputs	1	1	1	1
Number of outputs	2	2	2	2
Output connectors	F-con	F-con	F-con	F-con
MECHANICAL				
Packing QTY	1	1	1	1
Remarks	2 separat UHF and VHF attenuator	2 separat UHF and VHF attenuator	1 attenuator	2 separat UHF and VHF attenuator



TRIAX

connecting the future

Contact

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TRIAX is a global supplier of reliable, innovative products and solutions for the reception and distribution of video, audio and data signals.

Our Products are used in homes, businesses and operator networks by broadcasters, satellite, cable and telecom operators.

Our Solutions combine our hardware and software expertise to deliver value to hospitality and related markets, through a partner network of system integrators, large installers and operators.

TRIAX's headquarters, production and R&D base is in Denmark. With 9 international sales subsidiaries we operate in more than 60 distributor countries.

The TRIAX team consists of 300 employees and is owned by Polaris Private Equity.

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