

Triax MFA 661, LTE Mast Amplifier

The Triax MFA 661 is a single input UHF (Ch. 21–60) low noise, high RF-shielded mast amplifier. Enclosed within a modern Anthracite plastic housing, the Triax MFA 661 can be installed directly on the antenna mast or under the roof. Its features make it an ideal choice for new buildings as well as upgrading installation on existing buildings.

The MFA 661 has a built-in LTE filter to effectively suppress LTE downstream signals above Ch. 60 (from 791 MHz), is capable of sustaining strong input signals of more than 95 dB μ V from the antenna without overloading occurring.

The amplifier is quickly and safely attached to the antenna mast with the supplied cable binder. Wall mounting is also possible. Cables are attached to with F-connectors.

The amplifier is voltage fed through the output. The power supply range (5-24 VDC), together with exceptional ripple suppression, means that 5 Volt power can be supplied from a DVB-T receiver, TV set or external 5-24 Volt DC Power Supply.

- UHF, channel 21-60 (470-790MHz) amplifier
- Built-in LTE filter
- 1 UHF input, 1 output, 17 dB gain.
- Simple and easy installation on mast or wall
- Sustains extremely high levels from antenna
- Max. Output Voltage: 112 dB μ V
- Supply Voltage: 5-24 VDC



Masthead amplifiers approved to carry the "LTE Protected – by TRIAX" logo



Triax MFA 661

LTE Mast Amplifier



Technical data

Type:	MFA 661	
Art. Nr:	340661	
Electrical specifications		
Input		UHF
Channels		21-60
Frequency Range	MHz	470...790
Gain (fixed)	dB	17
Linearity	dB	±1.0
Noise Figure	dB	<2.2
Max. input Level @ LTE downstream range (801-821 MHz)	dBµV	≥115
Max. input Level @ LTE upstream range (832-862 MHz)	dBµV	≥110
Max. Output Level (@60dB IMD)	dBµV	112
Return Loss (in/out)	dB	>10 / >10
Power supply and consumption	VDC/mA	5...24 / 55
Polarity		negative to ground
Power LED		Green
Mechanical specifications		
Color		Anthracite (dark grey)
Mast diameter	mm	18...50
Connectors		2 x f-female
Dimensions, product	mm	120 x 108 x 50
Dimensions, giftbox	mm	131 x 125 x 70
Cable binder	mm	40 x 230
Weight	g	230

The Triax MFA 661 is just one product in a wide range of Triax LTE protected products, comprising antennas, amplifiers, Band Stop Filters, and highly shielded cables, connectors and outlets, all designed to provide the LTE interference protection needed in any domestic situation. Please refer to your Triax dealer/installer for advice on the best possible solution for your particular installation.

LTE/4G, an acronym for Long-Term Evolution, is a wireless communication standard for high-speed data by mobile phones and data terminals. It is based on the GSM/EDGE and UMTS/HSPA network technologies and increases data transmission capacity and speed through the use of different radio interfaces and core network improvements.

LTE/4G, which is commonly known as 4G (fourth-generation mobile phone communication), has been introduced in more than 85 countries across the world, starting in Oslo (Norway) and Stockholm (Sweden) on 14 December 2009. LTE/4G has been commercially available since 2011, when the first 4G smartphones were released for sale.

LTE/4G uses the 800 MHz frequency range previously used solely for TV signals, adversely affecting picture and sound quality on terrestrial installations. TRIAX's LTE protected products remove signal interference from LTE data transmissions, maintaining optimal picture and sound quality.



Recycling:

This product is manufactured in compliance with current EU environmental and recycling requirements and standards (WEEE, RoHS, etc.). Please observe your local implementation and requirements when recycling.



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DK-5723 Hørsholm | +45 76 82 28 00 | mail: triax@triax.dk | www.triax.com