01437 711 142
info@1a-aerials.com

4G Broadband - Service Overview

Overview
We are an independent installer for 4G broadband with many years' experience providing alternative broadband feeds including satellite and wireless systems.

4G is a reliable and cost effective way of feeding broadband to your property. It receives 4G radio signal (the same that feeds your mobile phone) via a professional 4G antenna system installed on your property. The antenna feeds 4G signal into your property via cable, which connects to a router. The 4G broadband system replaces the need for a landline broadband system.

To run a 4G broadband system, you need a professional installation of 4G broadband equipment and a 4G data package from an Internet Service Provider (ISP).

1A Aerials provides a 4G installation service for the West Wales community and in addition, offers bespoke design in terms of working the system around your land and networking signal throughout your property.

Key facts about 4G broadband:

- 4G broadband is a reliable alternative to cabled landline broadband
- It is possible to access 4G signal from your surrounding land even if signal is poor inside your property
- If current speeds available at your property are less than 30Mbps, you may qualify to receive £800 (for speeds of 30Mbps or more) towards a 4G broadband installation.
- Some ISPs provide a '4G Broadband' hub as part of their 4G data package – this does not perform in the same way as the professional 4G antenna does (a professional high gain antenna is often required in rural areas).

4G service providers

4G broadband is available UK wide via the 4G phone networks EE, Vodafone and Three. 4G broadband providers (contract resellers) are joining the market all the time and as a customer, you have the freedom to sign up with any of them on a 'SIM only' package*.

The company you choose will act as your Internet Service Provider (ISP). 1A Aerials is happy to guide you based on our knowledge and experience, however the final decision lies with you.

**The majority of Pembrokeshire benefits from EE and Vodafone coverage. ISP 'postcode predictors' aren't always accurate and a site survey is essential to confirm signal available.*

Installation and monthly data costs

Installation of a standard 4G broadband system costs £666+VAT (site survey, 4G antenna on property leading to WiFi router). Additional works required to feed 4G signal around the property can be costed following survey.

Monthly 4G data package prices are fluctuating all the time to align with competitor activity. Please refer to our 4G Broadband web page for links to the core provider websites (prices are subject to change at any time and are controlled by the ISP).

Additional data costs

Depending on the service provider you sign up with, additional data costs are applicable over and above your monthly allowance (if you don't sleect an unlimited plan). Details of this will be provided by your ISP.

Data usage - the following examples help you estimate how much data the most common online activities require.

Online Activity	Data Consumption
One hour of web browsing	10MB - 25MB
One hour of Facebook	20MB
Downloading one music track	4MB
Downloading a non-HD movie or TV program	700MB - 1GB
Downloading an HD movie or TV program	4GB
Streaming 30 minutes of Youtube videos	175MB
Streaming 1 hour of music or radio	150MB
Streaming 1 hour of non-HD video	250MB - 500MB
Streaming 1 hour of HD video	2GB

Funding

Welsh Government aim to assess funding applications within 20 working days. An installation can only be completed AFTER you receive your Offer of Funding letter. Visit our funding web page to access copies of the eligibility criteria and application process.

Site survey

It is essential for us to complete a site survey to determine if 4G is reliably available within the boundaries of your property and what speeds you can potentially receive (the online postcode checkers are NOT accurate). We conduct the survey at a time to suit you and record signals using a professional antenna. Following survey, we supply a final report confirming if 4G broadband is possible and on which network, bespoke advice on where the equipment should be located and a quotation. **1A Aerials charges £70+VAT for a site survey within Pembrokeshire.**

Next steps

If you have read the details and are keen to be connected, your next steps are as follows:

1. Request a site survey with 1A Aerials via email or phone
2. 1A Aerials will conduct a site survey
3. 1A Aerials will supply a 4G report and an installation quotation
4. Submit your funding application form to Welsh Government (using your installation quotation)
5. Await funding approval
6. When you receive your Offer of Funding Letter, respond with acceptance to the government WITHIN THE TIMESCALE STATED (if you do not do this, funding will not be provided and you will be liable for 100% of the installation cost)
7. Choose a 4G (SIM only) data package from your chosen provider and set up an account with them
8. Once your SIM has been received, book your installation with 1A Aerials
9. 1A Aerials will complete your 4G installation (using the 4G SIM you supply) and provide an invoice
10. Submit your payment claim, including speed test and installation invoice to Welsh Government (you can opt for 1A Aerials to be paid directly).

Private funding

It is possible to purchase a 4G broadband installation by funding it yourself at the same cost.

Contact Sally or Dave at:

1A Aerials

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