

The importance of a quality aerial system.

Analogue TV

With the analogue (now closed down) television services, the picture quality degrades "gracefully" in proportion to the signal strength. It is possible to have watchable pictures with surprisingly low signal strength. Reflections are often only a minor irritation, leading to ghosts on the picture and a variation of picture quality between channels, which many are happy to put up with. Indoor and loft aerials used to give acceptable performance in some cases.



Digital TV

Digital television is a whole different matter. No longer do we have the luxury of being able to say "that will do". If there is insufficient signal level, the result is a picture that breaks up into mosaics and vanishes. The sound is also subject to squeaks and bangs as the level varies slightly. For this reason, the aerial system needs to be of an approved type and installed to a standard laid down by the CAI and the BBC etc. It is vitally important that a digital analyser is used for setting up the aerial and the signal levels balanced to provide reliable service. In some areas, some channels may not be able to be received and in others there may be no digital service whatever, Areas only covered by repeater stations will generally only receive about 60% of the full range of channels

Why not use loft aerials?

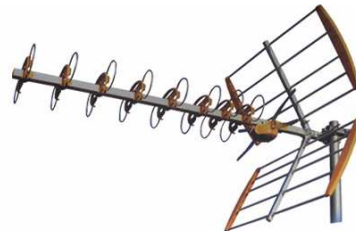
Signal strength

The roof covering and end gables of a house can shield the aerial from the incoming TV signals. This can make a big difference to the quality of your picture. A roof which is covered with metal tiles, or roof insulation which contains metal, can destroy signals completely, making loft aerials pointless. With analogue television signals, a poor signal used to cause a grainy or snowy picture. With digital signals, it may be impossible to receive anything at all. A poor signal on FM will sound noisy and may drop in and out of stereo.

Reflections

Lofts will usually contain household items which can reflect the incoming signals, even where there may be adequate signal strength. Water tanks, pipes, cables, and all the clutter a household can generate tend to be stored there. Signals are often reflected from these items and the reflections will cause a ghosting picture on analogue TV. With digital TV, the reflections may well lead to loss of picture. FM radio will suffer from 'birdie' noises etc.

Bear in mind that you normally have little control over your neighbours, so if they move or add to the 'junk' in their loft, it may well affect *your* viewing.



Cable considerations

As a rule, the cable pre-installed into houses will be of the lowest possible cost to the builder, and will show high loss combined with poor screening. In strong analogue signal areas, this may be less important, but where the signal is borderline, or digital TV is required, it will NOT be good enough.

Conclusion



To obtain the best performance from a television signal, mount the aerial outside, in clear line of sight to the transmitter. Use a good quality aerial with integral balun, and feed the TV using a high grade cable such as WF100. The European standard for this cable is EN50117. This is now mandatory for new house builds and renovations.

So why use AJL Electronics?

- AJL have been involved in the aerial and satellite business for over 25 years. We use only branded equipment from the likes of Triax, Televes and Webro that have passed "Benchmark" testing and have been issued with a certificate of conformity.
- Each installation is carried out with care and expertise, using the CAI guidelines as a minimum standard. On completion of the work, we issue our own certificate showing the measured performance of the system.
- All installations are covered by our own 12 month warranty, for parts and labour.

Price list (valid to end of April 2013)

Labour or survey charge £75.00

(Up to 1.5 hours on site inc reasonable mileage)

Additional hour or part charged at £35

INC VAT

Aerials:

Televes 14 £25.00

Televes 1121 £29.99

Televes DAT twin boom £69.95

Masts:

6 ft 1¼" Alloy £14.40

8 ft 1½" Alloy £19.20

10ft 1½" Alloy £24.00

12 ft 2" Steel £28.00

16 ft 2" Alloy £34.00

20 ft 2" Alloy £44.00

6 ft 1¼" Steel £14.00

Brackets:

9" one piece galvanised £11.00

12" one piece galvanised £15.00

18" one piece galvanised £20.00

12" T & K galvanised £16.00

18" T & K galvanised £22.00

Blake cradle mount with strap £25.00

Cable per metre

WF100 digital to CAI EN50117 £ 1.20

WF100/2 Twin feed cable £ 2.50

4 way masthead d/a & PSU £49.99

7 way expandable mains powered £59.00

Additional TV points

price inc cable and labour (each) £50.00

Coaxial wall plates inc pattress £ 7.50

TMS3/2STP splitter (outdoor) £15.00

F type 2 way splitter £ 6.99

**For help and advice, or to
book an appointment,
please ring or call in.**

Opening hours are:

Monday to Friday

9am - 5pm

Saturday

9am - 3pm

<http://www.ajlelectronics.co.uk>

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Digital aerial systems

**PRICE LIST
2013**

