



AML 200 Router FAQs



Frequently Asked Questions About The AML Economical High Speed Router

1. **Is a satellite antenna system required to use the AML Router?** YES. Many aircraft already have such equipment installed for various other communication requirements, even though they are not used for Internet access. With such equipment already installed, our router can communicate with it. Honeywell, Collins and Cobham are the major companies.
2. **I don't have a satellite antenna system installed, what are my options?** A host of options are available in a wide array of capabilities depending on your needs. Feel free to call us to discuss your existing equipment and we'll give you an overview of the options available to you.
3. **I understand that satellite antenna cost over \$100,000 to install. Does the AML Router require such a system?** NO. We can work with such systems but there are a number of alternative options that cost 50% or more less than that.
4. **Our passengers carry a vast array of hand held electronic devices from cell phones to laptops, to smartphones, to tablets and pads. Will the AML Router work with them?** YES. The only restriction is that their unit must be Wi-Fi capable, and virtually all of them are.
5. **My passengers constantly complain about the slow speed of satellite Internet and mail connectivity. Will the AML Router make this faster?** Definitely YES. We have included proprietary acceleration and compression software that increases the apparent speeds by up to 300% over standard satellite transfer rates.

6. **The users frequently complain about their monthly provider service fees. Will the AML Router reduce these charges?** YES, if their service provider contract is based on minutes of utilization. Because our acceleration and compression downloads the data faster, they will be billed for fewer minutes of service. Thus, for the same number of minutes of service with and without the AML Router, their bill with the AML Router will be lower. The savings could potentially be as much as 50% lower.
7. **We have to provide owners a break down of service provider fees by department of the company or when chartering, by customer. Will the AML Router eliminate this administrative nightmare?** YES. We have incorporated into our software provisions such that each user will log onto the system separately, and then to be billed directly by the service provider. Thus the requirement to pay for the monthly service charges, then segregate the use by user, pay the invoice, and then seek reimbursement is completely eliminated.
8. **How much testing of the AML Router operating software has been done?** Actually, we modified software that has been flying on over 100 aircraft around the world for several years. Thus the quality and integrity of our software is unsurpassed.
9. **What sort of firewall and VPN security does the AML Router have so that our company information is not comprised?** The AML Router has software that will permit your internal IT department to install and implement the company's existing proven and testing security protocols.
10. **Does the AML Router permit viewing of videos on the Internet?** YES. Our higher download speeds significantly enhance the ability to view videos.
11. **What happens if we are on a trip and the AML Router has a problem?** Just call us. Software has been incorporated into our Routers that will permit our staff to log onto your systems directly and can review and make any changes or Modifications immediately to restore your system to operation. This can be done no matter where you might be in the world.
12. **Since it plugs into a power source and has an RF45 jack, can I remove the AML Router and take it to my hotel (yacht, second home, etc) for continued connectivity?** YES. The ability to use the Router wherever you might travel was an original engineering criteria. When a large distance from the aircraft, the Router will simply use 3G/4G service to keep you fully connected just as if you were airborne.
13. **What satellite service providers will the AML Router work with?** Presently we interface with the Satcom1 systems. By late 2013 we will have the ability to interface with all systems. We can also interface with KU service, and are already designed to interface with KA service once it become operational. If you currently have service other than Satcom1, virtually all service provider agreements have modest termination clauses that will permit switching to another provider.

14. **Has the AML Router been tested and certified for airborne use?** The AML Router is currently onboard and being used in the US under FAA Regulation 14CFR 91.21 as 'carry-on electronic equipment' provisions. The Router is in fact presently in an RTCA authorized facility undergoing testing leading to compliance with DO-160 EMC criteria.
15. **Is an STC required to use the AML Router in flight?** NO. The AML Router can currently be used in flight under FAA Regulation 14CFR 91.21 as 'carry-on electronic equipment'.
16. **What is required to use the AML Router on our aircraft?** The AML Router needs just two things. A power source (12v DC or 110 V AC in US; 220V AC internationally). An RF45 jack that carries the satellite signal. It can be mounted almost any place. When you place your order, we will review your cabin configuration and together decide the best and simplest location to place the unit. Simple Velcro can be used to hold the unit in place.(as an option)
17. **Can the AML 200 Router interface with Iridium?** The short answer is NO at this time. Iridium's data transmission speeds are much too slow at this point to be practical for broadband Internet service. We are very familiar with Iridium and stay very current regarding their technology. The AML 200 is fully capable of supporting Iridium "Next", the Iridium broadband that is coming soon. But, until they launch the Iridium "Next" network we recommend adding an INMARSAT 200 system to the aircraft for broadband data services.
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