



FAQ

1. What exactly is BizjetMobile and what does it do?

In simple terms BizjetMobile is an Application (App) on your mobile phone that operates in-flight mode and uses Bluetooth to replicate the normal functions of your mobile phone which is Voice, SMS, MMS and data. **THUS, IT PROVIDES BOTH VOICE AND DATA.** It makes its connection directly via the "existing" aircraft satellite link and routes the call or data outside of the cellular roaming network, so there are no roaming charges.

2. In its simplest form how does it operate in the aircraft, (does it only provide the user the ability to use their cell phone instead of the aircraft handset?)

The App replaces both the satellite phone handset and the data connection normally used for Internet. The App talks to our Tablet/Ipad (via Bluetooth) which is installed on the aircraft. It controls the satellite system. In effect the Tablet becomes your mobile phone's PABX and data server.

3. What advantages does this have over the competitive systems?

A conventional aircraft mobile phone platform (aside from the fact that they are banned in-flight in the USA, China, and many other countries), can cost \$500K+, weigh up to 85kgs and comprise up to 14 components. A Wi-Fi system can cost around \$125k (USA only) and \$250K for an International service.

The BizjetMobile permanent solution, (which includes a certified server) lists for approximately \$25K, weighs less than 10kg and has only 2 components. The BizjetMobile "Tablet" version (which could also be permanent) starts at \$12.5K.

Both BizjetMobile and conventional mobile phone systems deliver the same services however, BizjetMobile routes and connects differently. For example:

With a conventional aircraft mobile phone system, you set your mobile phone to international roaming, then initiate the call or SMS off your mobile phones address book as normal. The person receiving the call sees your mobile number (unless you have caller ID off). You could then pay up to \$7 per minute and a \$1 for an SMS, because of roaming charges. If you want broadband data, you have to activate Wi-Fi, on you phone, as this is a separate service. This is because 3G broadband is not available in an aircraft.

To call you in-flight, they just ring your mobile number as normal and you pay the inbound roaming charges or additional mailbox charges if they leave a message. (Just like if you were in another country).

With BizjetMobile you still activate the call from your mobile phone's address book, but the person receiving the call sees your SATCOM phone number (not your mobile number). This can also be a security feature, as you are not handing out your mobile number and you can leave caller ID on. The other feature is you use a "noise cancelling" Bluetooth headset to talk, rather than your mobile phone. BizjetMobile uses the Bluetooth headset or hands free protocol. This ensures voice quality without draining your phone's battery. Additionally, you can still use the phone for data, even when on a call.



To call you in the aircraft, they either ring your normal satellite phone number, or you can easily redirect your mobile number to your satellite phone before flight.

Incoming calls are handled just like in a car - on your Bluetooth headset or optional hands free unit. For SMS and Email they just hit reply and our patented software routes the messages directly back to you.

We designed it this way so you only pay the nominal direct satellite fixed call rate (in most cases it can be less than \$2 per minute) and inbound calls are free.

If you require broadband data and have a Broadband SATCOM, whether it is routed to your mobile phone via Bluetooth or Wi-Fi, the cost per Mb is the same. All we do is connect you to your normal service provider and they bill you in their normal manner.

4. Does BizjetMobile provide Internet to the user's mobile device and how is the speed compared to WIFI in the aircraft?

The launch App provides Voice, SMS, plus text Email (no attachments). Internet and attachments is an option if you have broadband.

BizjetMobile Internet will operate just the same as Wi-Fi, but connect using Bluetooth. The protocol is in place using what is called a Bluetooth PAN network. On the ground you can already tether you mobile (using PAN) to your laptop via Bluetooth and use it for Internet.

While Wi-Fi is much faster, it is a completely separate system from a mobile phone platform. Regardless of this, currently the fastest broadband link into an aircraft (large aircraft only) is KU band delivering up to 3 Mbps. So the speed of Wi-Fi has no real benefit as the satellite links can only deliver maximum 3Mbps. Bluetooth provides up to 3Mbps and can be multi channel and the new generation Bluetooth is up to 24mbps, which could accommodate any further requirements.

5. Conclusion

In an aircraft, Bluetooth can eliminate the need for antiquated telephone handsets and PABX's. It's a simple inexpensive mobile phone solution providing both voice and data services. Wi-Fi on the other hand is expensive, complex to certify and data only, unless you use VOIP, which is documented to be problematical in aircraft.

Bluetooth uses a fraction of the power of Wi-Fi, is a far more robust protocol and as it is designed for the mobile environment, so it makes sense that it will become standard in aircraft, just as it is in motor vehicles.

The BizjetMobile patented software has been specifically designed for use in aircraft and is based on ASiQ's 25 years experience in aircraft communications.

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