

OK Dave

Ive done some numbers and ive got a couple of options for you.

The first is just a basic discount and the second is a prepaid setup.

The prepaid system includes 60Mb of data and a further discounted rate for additional usage. The comparison table of the rates below will help you with the costs to follow.

Item	Normal Rate	Discounted rate	Prepaid rate
Data use per Mb	\$10	\$9	\$7.5 after included usage
Call cost per 30 seconds	\$2	\$1	\$1
BGAN Rental per day	\$35	\$20	\$20
Phone Rental per day	\$18	\$16	\$16

Now I have come up with a couple of outcomes based on what you told me and the following will give you an idea of the possible costs

The first table is basically the worst case senario where I have used all the maximums you have given me and included the pricing with the different options.

MAX USAGE

Usage	Normal Rate	Discounted Rate	Pre Paid
144.7Mb	\$1447	\$1302.30	\$635.25+\$351 prepaid - \$986.25
345 Mins calls	\$1380	\$690	\$690
25 Day BGAN rental	\$875	\$500	\$500
25 Day phone rental	\$450	\$400	\$400
total	\$4152	\$2892.30	\$2576.25

Now I understand this is slightly over budget but if you were to just not take the normal sat phone as well you would only just go over budget.

MINIMUM/EXPECTED Usage

Usage	Normal Rate	Discounted Rate	Pre Paid
111.9Mb	\$1119	\$1007.10	\$389.25+\$351 prepaid - \$740.25
230 Mins calls	\$920	\$460	\$460
25 Day BGAN rental	\$875	\$500	\$500
total	\$2914	\$1967.10	\$1700.25

Now the minimum table is probably more what you will be looking at in terms of you usage with the main variations being only making 10 mins personal calls a day instead of 15 mins and only doing the update for the school during the weekdays.

I would suggest you would be fine with going for the pre paid system but I will clarify I will need you to payy the \$351 prepay fee and the unit rental fees up front to be able to go with this option. Due to me not being around when you need the unit I would probably try to get this by the 25th of september so that I can get it all sorted befor I go away so there is no mixups from my replacement.

I will also include a demonstration of how to use the unit to yourself and mark.

Any troubles give me a call on 1300 851 591.

Kind Regards

Steve Wall

-----Original Message-----

From: david [mailto:davemck@firestar.com.au]

Sent: Monday, July 07, 2008 7:02 PM

To: 'Steven Wall'

Subject: RE: Bandwidth Monitoring for Rent-A-Sat Dave Mckern

Hi Steve

Thank you for getting back yo us on this so quickly.

To address your questions:

- Your assumptions are correct - we won't be using the unit for teleconferencing over the weekend.
- Regarding personal calls: let's factor in an extra 2 teleconferences a week (6 x 2.4MB = 14.4MB) PLUS an additional 10-15min of phone call each night.

Can we add 10% to the final figure as well, just to allow for a bit of extra unforeseen usage.

I hope this all within reason and look forward to hearing back from you with the revised final figures.

Regards

Mark Wilson
Technical Development

From: Steven Wall [mailto:Steve@rentasatphone.com.au]

Sent: Monday, 7 July 2008 3:06 PM
To: 'david'
Subject: RE: Bandwidth Monitoring for Rent-A-Sat Dave Mckern

Hi Dave

Just keeping you informed that I am still working on a forecast for your trip and its not as scary as expected. Could I confirm a couple of things with you though?

You plan your trip from the 10/10 to the 3/11 now I assume you won't be using the unit for the first and last weekends as you will be getting to and from the start/finish so the time you would only be using the unit from the Monday 13/10 to Fri 31/10.

Also im also assuming you wont be making the video calls on the weekend since the kids wont be at school. This means that expected usage of the video calls would be 2.4mb by 15 days equaling 36mb approximately.

I will assume you will however update the web/check emails every day except while in transit so this will be 4.1mb by 23 days equaling 94.3mb approximately

Do you expect to make a few calls as well? If so what total would you expect?

If you could confirm this it would be appreciated.

Ps just so you know if the above is correct and we were to just charge our standard rates we would be looking at \$2178 so slightly over budget but we should be able to clear that out quite a bit so you have a bit of room to move if your usage is higher than expected.

Kind Regards

Steve Wall

Hi mate

I've attached a screen grab of some bandwidth monitoring I was doing during a live Skype call between my PC and our new laptop.

Video was half screen window with audio on.

The laptop struggled a little bit with displaying video from the other end, but this is due to the lack of video acceleration.

Video coming IN FROM the laptop was fine and clear on the other end (so video that the students see should be fine).

This may not mean much to you but: the peak bandwidth during the 5min session was around 13k/sec (total transfer for the 5min call was 2.4MB :
1.2MB UL/1.2MB DL)

This should assist the guys at Rent-A-Sat in choosing which Bgan plan is best for us based on our projected Skype times each day (2 x 2min).

I also did some testing doing what I expect to be doing on the walk - updating the Google map, sending and receiving a few emails and visiting a few websites.

Just so you understand, the actual data transfer only happens as you load new page content, send the email or makes changes to something - while you are typing the mail there is almost no data transfer in progress (apart from background 'noise').

From 10min fairly constant usage I got 4.1MB of transfer (3.2MB DL / 0.9MB UL).

I expect that we will need about 10-20min each day, but go for 30min if you want to be safe.

This information should help the Rent-A-Sat guys determine what plan we need.

If you would like me to speak to them or have any questions at all please don't hesitate to ask!

Cheers mate

Mark Wilson