



Quick tips for using Mobile Broadband

Connecting
New Zealanders

Telecom

Get Telecom Mobile Broadband to your laptop faster in more places across New Zealand.

Telecom Mobile Broadband is faster in more places across New Zealand and covers 80% of where Kiwis live, work and play.

To use your Telecom Mobile Broadband device you must be within coverage i.e. in an area which receives a mobile phone radio signal. You can check out coverage for your area at www.telecom.co.nz/coverage

External aerials can make a substantial difference to fringe coverage and data speeds, depending on your local geography. For more info talk to a Telecom dealer or visit www.cellutronics.co.nz

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Managing your Mobile Broadband usage

How much data will I use and how much will it cost?


Put simply, it depends on what you'd like to do and how you're using mobile broadband.

We've put some information together so you have an idea of how much data common online activities – like sending an email – typically use.

This is to help you manage your Mobile Broadband usage so you don't exceed the monthly data allowance of your plan. The information below is based on our estimates and actual data sizes do vary, so please only use this as a guide.

Remember, if you exceed the monthly data allowance on your plan you will be charged for each additional megabyte that you use.

Telecom offers a Mobile Broadband alert service to help you manage your data allowance. See the commonly asked questions at the end of this guide or visit telecom.co.nz/mbbalerts for more information.



It had been a crazy day. I'd had meetings around town all morning. I just managed to grab a coffee before the next one when the phone rang. A deadline had been moved and my client needed images within the next 10 minutes. I connected then and there, fired off the files and managed to check my emails and drink my coffee in peace.



Using Mobile Broadband on a laptop

The table below lists some basic examples of the things you can do with a laptop and a Mobile Broadband data card. It estimates how much of each activity would normally use up 1GB of mobile data by itself. The estimate is given as a range and the actual amount will always vary.

WHAT ARE YOU DOING?	MOBILE DATA 1GB PLAN
Reading or sending an average email without an attachment is 10-20 KB* Or...	More than 20,000 emails
Downloading attachments – attachment size varies* Or...	See below
Browsing the internet – each page view averages 50-100 KB ** Or...	10-20,000 page views
MSN Messenger – 8 hours per day averages 8 MB Or...	1,000 hours
Download a song from the Telecom Music Store – a 4 minute song averages 4 MB Or...	250 songs
Streaming Radio – a typical 128kbs radio stream averages 60 MB per hour e.g. georgefm.co.nz Or...	10-20 hours
Download a movie trailer – an average 3 min trailer is 30 MB Or...	20-40 trailers
Download a ½ hour TV episode (DivX format) averages 350 MB Or...	2 x ½ hr episodes
ANY COMBINATION UP TO YOUR MONTHLY 1GB DATA ALLOWANCE	

Put another way, the table shows that:

- > basic email consumes relatively little data
- > browsing web pages consumes more data but 1GB still provides a lot of browsing
- > radio streaming and video consumes very large amounts of data
- > choosing to download attachments can also consume a large amount of data

Data is measured in kilobytes (KB), megabytes (MB) and gigabytes (GB) Approx 1,000 KB = 1 MB and 1,000 MB = 1GB

For more information about mobile broadband and data usage, visit telecom.co.nz/mobilebroadband

* Attachments are highly variable in size. You can set your email package (e.g. Outlook Express) to show you the size of each attachment and give you the option to download it, or not. Ask your computer or software supplier how to do this.

** Internet browsing can attract unintentional video downloads where the website includes pop-up video advertisements that look like television commercials. To minimise data consumption click the close box on the advertisement as soon as it appears if you don't want to view this.

Using Mobile Broadband on a PDA/Smartphone

Have a look at the table below to get an idea of how much data you might normally expect to use.

In the first column there's a list of things you can typically do on a PDA / Smartphone, with an estimate of what their average data size might be.

The second and third columns estimate how many times you might do each activity on its own with either of our Mobile Broadband 20 or 50 plans.

The data estimate is given as a range and the actual amount will always vary.

WHAT ARE YOU DOING?	MOBILE BROADBAND 20 DATA PLAN	MOBILE BROADBAND 50 DATA PLAN
Reading or sending an average email without an attachment averages 10-20 Kb* Or...	approx 1,000 - 2,000 emails	approx 2,500 - 5,000 emails
Download attachments – attachment size varies* Or...	See below	See below
Browsing the internet – each page view averages 50-100 Kb Or...	200-400 pages	500-1,000 pages
Browsing the internet using mobile friendly pages which have been specially designed to display on a PDA/Smartphone – each page view averages 10-20 KB ** Or...	1,000-2,000 pages	2,500-5,000 pages
ANY COMBINATION UP TO YOUR MONTHLY 1GB DATA ALLOWANCE		

The Mobile Broadband 20 plan has a monthly data allowance of 20 MB and the Mobile Broadband 50 plan has a monthly data allowance of 50 MB per month.

The table shows that:

- > basic email consumes relatively little data
- > browsing web pages consumes more data
- > video streaming consumes large amounts of data
- > choosing to download attachments can also consume a large amount of data

Data is measured in kilobytes (KB) and megabytes (MB) –
1 MB = approx 1,000 KB

For more information about mobile broadband and data usage, visit telecom.co.nz/mobilebroadband

* Attachments are highly variable in size. You can set your mobile device to show you the size of each attachment and give you the option to download it, or not.

**Mobile / PDA friendly sites are web pages that have been specifically designed to display a reduced amount of information for a PDA / Smartphone type device. Some examples of these sites are:

www.xtra.co.nz/pda www.google.com/m www.mobile.yahoo.com www.mobile.cnn.com

Commonly asked questions

What's the best way to manage my monthly data allowance?

The easiest way to keep an eye on your usage is by signing up for our Mobile Broadband usage alerts. This service will alert you after you reach a nominated amount (such as 80%) of your monthly data allowance from your selected Mobile Broadband Plan. The usage alerts are sent out after you reach your nominated threshold. However, occasionally there could be a delay of 4 hours or more between the time you exceed the threshold and the time the alert is sent to you. Visit telecom.co.nz/mbbalerts to sign up

What if I want to install an application or software update on my device (e.g. business applications)?

We'd recommend you download the application or file using your PC and then transfer it to your PDA / Smartphone with a USB cable.

If I accidentally connect the web browser on my PDA / Smartphone, will it use up data?

Connecting to your home page (for example www.xtra.co.nz/pda) uses an average of about 10kb. If you have been to the site recently, your device may have stored this information (this is referred to as caching or a cache). So, as long as the device has not been turned off, you may be able to return to the page without using up the data again.

If you don't want to connect to the internet then you should close the web browser immediately.

How do I minimise usage when I'm browsing the web with my PDA / Smartphone?

- > Make sure the sites you are viewing are PDA friendly
- > Disable pictures in your browser (When on your home page, select menu / view and untick 'show picture')
- > Don't stream media e.g. video or internet radio

When I'm synchronising my PDA / Smartphone, what options do I have?

Answer: You can choose to sync any of the following items with Outlook[®]:

- > Your email
- > Contacts
- > Calendar items
- > Tasks

Does my PDA / Smartphone automatically send me new emails when they arrive?

You can either receive your emails automatically as they appear in Outlook[®] (referred to as "PUSH") or you can choose to check manually (referred to as "PULL"). Most devices will have both options – check your user manual for instructions on how to set them up.



while waiting for a burrito
SEARCHING AN ADDRESS WHILE
CAMPGROUND in RUAKAKA
away for the weekend in ROTORUA
AT THE BEACH IN WHANGAREI
glass of wine
waiting for your telecharger
Jump in Queenstown
TOP OF THE LIFE
STANDING IN A QUEUE
FOR TICKETS
IN THE CAR PARK
of the SUPER MARKET
in Waihi
THE WAY BACK FROM NIHOA'S