

Homeowners and Builder's Worksheet: **planning your NBN connection and wiring**

In your newly-built home, both your fixed line internet and landline phone services will be delivered over the National Broadband Network (NBN).

This worksheet guides you through the important steps and decisions that you need to take during the construction of your home to enable you to connect and fully enjoy the benefits that the NBN has to offer.

More details for your builder can be found at: www.nbnco.com.au/newdevelopments under 'Technical guidelines'.

Work through the following steps with your builder:

Step 1

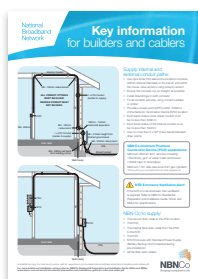
1 Plan your phone and data ports with your builder

High speed broadband brings many exciting possibilities that can transform the way you work, play and stay in touch.

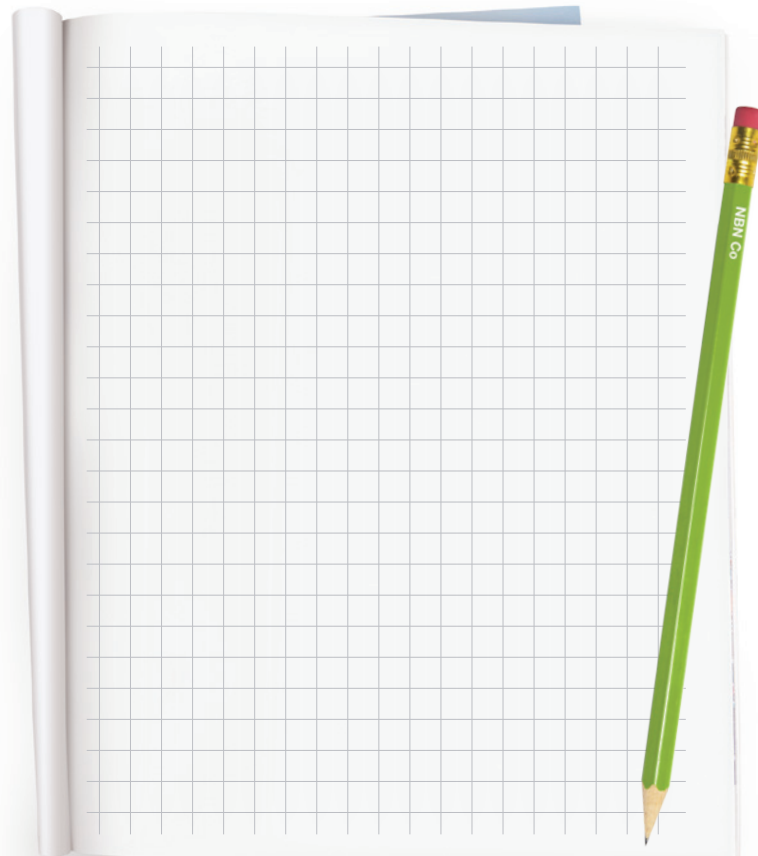
Now is the ideal time to consider how you will wire your new home to prepare for the connected lifestyle you plan to enjoy.

Talk to your builder about your preferences for voice and data ports now so they can mark these up on the building plans and provide a quote for any additional wiring work required.

If you don't have a copy of your new home plans to work on, use the space to the right to draw a quick diagram of your house and port locations. Make sure you keep a copy for your records.



With this worksheet is a flyer that provides technical guidelines for your builder. Simply give this flyer to your builder, so they have the necessary details to wire your home so that it can be connected to the NBN.



Data ports – questions to consider

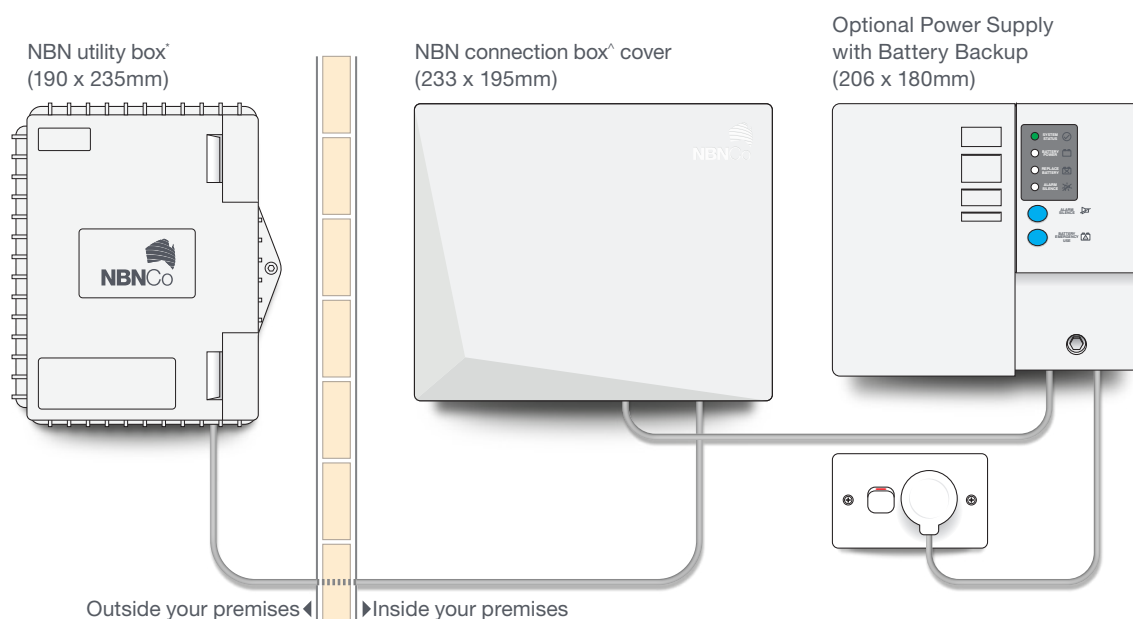
- Where will you use home computers?
- Will you be considering smart kitchen appliances in the future that might require fixed or Wi-Fi internet access?
- Where would be the best place to locate a wireless router for Wi-Fi devices?
- Are you planning to have a security or medical alarm system installed that will need a hard-wired internet connection and/or special wiring (e.g. Mode 3 phone cabling)?
- Where will you want to place TVs to use internet TV services and other internet connected devices like gaming consoles?

Voice ports – questions to consider

- Where will you want to have fixed-line connections?
- Will you need a phone line in your study or home office?
- Do you have a medical alarm service that will need a fixed phone line?
- Will you have a security alarm that will need a fixed phone line and/or special wiring (e.g. Mode 3 phone cabling)?

Decide on a location for the NBN connection equipment

NBN Co and your builder will work together to organise the installation of the relevant equipment inside and outside your new home.



A standard installation of NBN equipment is currently free of charge. For more information on what's included, visit nbnco.com.au/fibreinstallation or call **1800 OUR NBN (1800 687 626)**. Don't forget to check with your preferred service provider whether they have any other fees.

You will need to choose a location for the NBN equipment and inform your builder of this prior to your scheduled installation date so that your builder can pre-install the conduits required for the NBN installation to take place. When you have chosen a location for these conduits, make sure that both your preferred location for the NBN equipment and conduits are marked on your house construction plans.

Choosing the equipment location

There are a number of places for your equipment to be installed. Use this checklist to help you make a good decision about the most suitable place otherwise your ability to connect to the NBN may be affected.

Your checklist for equipment location

- ☐ Reasonably close to a power point
- ☐ A cool, dry, ventilated area (the NBN equipment cannot be installed in a damp or wet area such as a kitchen, bathroom, laundry or under a window that opens)
- ☐ Away from busy areas where it may be knocked or damaged
- ☐ Somewhere easy for you to see, to check the indicator lights
- ☐ In the same building as the main electric meter box or distribution board (i.e. not in a separate detached garage or outhouse)

*Also known as Premises Connection Device

^Also known as Network Termination Device

Decide whether or not to select the battery backup option

The battery backup supply keeps your NBN connection box running during a power failure. However, if such a power failure occurs, it will only be able to power the NBN connection box for approximately five hours for a standard corded phone that doesn't require mains power, and only if you have your phone service connected through the UNI-V port on the NBN connection box.

It can also power your internet service, but only on the NBN connection box itself – any other device connected to the NBN connection box (such as a Wi-Fi router) will need its own battery backup to keep working during a power outage.

If the building of your house is expected to be completed after June 2014, you have the choice of opting out of having the battery backup unit installed. However, if you choose not to have it you will not be able to make voice calls (including emergency 000 calls) using your landline phone or use the internet during a power outage.

If you're going to have a priority assistance service on your phone line (due to an ongoing medical condition), it will be mandatory to have the battery backup unit installed.

If you're not currently planning to have a fixed-line phone, you may not feel there are enough benefits to having the battery backup equipment installed in your home at this stage.

Here are some factors to consider which may help you make a decision:

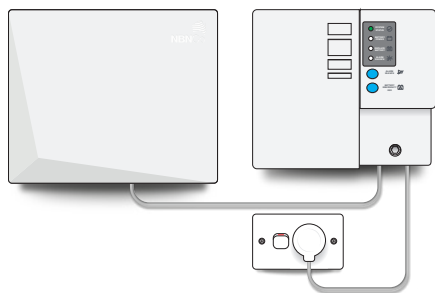
Advantages of Standard Power Supply (no battery backup):

- There will be less equipment installed on your wall – just the connection box.
- Less to maintain – no need to check and replace the battery.
- Do your bit for the environment – fewer batteries produced means less waste in the environment.

Advantages of Power Supply with Battery Backup:

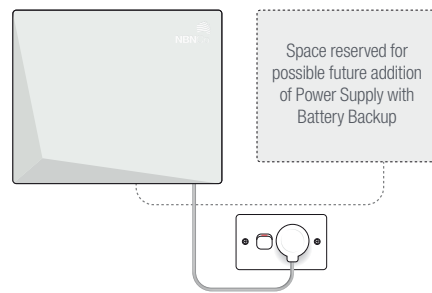
- Service during power outage – if the power goes out, your NBN connection box will be powered for around five hours including a manually activated battery emergency reserve.

NBN connection equipment with battery backup



- The battery backup will only power devices that do not require mains power (for example, a standard analogue corded phone connected to an activated UNI-V port on the NBN connection box).
- The Power Supply with Battery Backup unit will run for a limited period of approximately 5 hours including the extra manually activated emergency battery reserve time.
- Smoke alarm style alarms will sound when the battery is wearing out and needs to be replaced. Discuss with your service provider whether they will supply replacement batteries or whether you should buy them.

NBN connection equipment without battery backup



- Smaller, neater equipment installation on your wall.
- No battery alarms or replacement battery costs.
- **Not** suitable if you are a priority assistance customer, and have a monitored medical or security alarm.
- Your landline telephone and internet services will not work during a power outage.
- You will need alternative means of making an emergency call during a power outage (e.g. a mobile phone).
- If you need the battery backup service down the track you can have it installed, currently free of charge.

Your service provider will run through the full decision-making process with you, and record your consent for your decision.

Step 3

Connecting your services to the NBN

Even before you move in, you can begin contacting your preferred service provider to compare packages and establish your service requirements.

For a full list of the service providers that can deliver services over the NBN visit: **www.nbnco.com.au/serviceproviders**

If your address has not yet been registered with your local government authority, you may need to provide your Lot and DP number to your Service Provider when you order your services. (A Deposited Plan (DP) is the plan number given to a subdivision by state or local government.)

To find out an estimated date when the NBN will be switched on in your area, call **1800 OUR NBN (1800 687 626)**.

Connecting to the NBN is as simple as...

Explore

Contact your preferred telephone or internet service provider to find out about services over the NBN. These can be found at **www.nbnco.com.au/serviceproviders**

Select

Compare the packages available and select the right option for you.

Connect

Your service provider will co-ordinate a time for the NBN Co equipment to be installed (if not done already) and your service activated.

My final checklist

Step 1

I have planned where my additional data and voice ports will be installed and discussed these with my builder.

Record details here:

.....

.....

.....

.....

Step 2

I have decided on my preferred location for my NBN equipment.

Record details here:

.....

.....

.....

.....

Step 3

I have contacted my preferred Service Provider for my NBN equipment installation and arranged the services I need.

Record details here:

.....

.....

.....

.....

It's important to note that NBN Co is a wholesale network provider, which means NBN Co is responsible for building, operating and maintaining the NBN – the infrastructure over which telecommunication services can be delivered.

Services to your home, such as landline phone and broadband will be provided by retail service providers, not by NBN Co directly.

You can contact your preferred service provider now to pre-order services over the NBN.

For more information:

Phone **1800 OUR NBN (1800 687 626)**

Visit our website at: **www.nbnco.com.au/fibreinstallation**

Email us at: **info@nbnco.com.au**



NBNCo

Bringing broadband to life

