

Installing a GW7000 Series Router



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1	Location variants.....	3
2	Installing a GW7000 Series router in the UK	4
2.1	Package contents for the UK	4
2.2	GW7000 Series serial and model descriptions for the UK	5
2.3	GW7000 series model descriptions	5
3	Installing a GW7000 Series router in the UK before it is automatically configured	7
3.1	Installing a GW7000 ADSL router in the UK	7
3.2	Installing a GW7000 Series router with a serial connection in the UK....	8
3.3	Installing a GW7000 Series router with an E1/T1 connection in the UK.	9
3.4	Installing a GW7000 3G connection in the UK	9
3.5	Installing a GW7000 public Ethernet connection in the UK	10
4	Installing a GW7000 Series router outside the UK.....	12
4.1	Package contents outside the UK	12
4.2	GW7000 Series serial and model descriptions outside the UK	13
4.3	GW7000 series model descriptions	13
5	Installing a GW7000 Series router outside the UK before it is automatically configured	15
5.1	Installing a GW7000 ADSL router outside the UK.....	15
5.2	Installing a GW7000 Series router with a serial connection outside the UK	16
5.3	Installing a GW7000 Series router with an E1/T1 connection outside the UK	17
5.4	Installing a GW7000 3G connection outside the UK	17
5.5	Installing a GW7000 Series router public Ethernet connection outside the UK	18

1 Location variants

There are cable variations for the GW7000 Series router depending on whether you have bought your router for use in the UK or outside the UK.

If you are a UK customer, read section 2, 'Installing a GW7000 Series router in the UK'.

If you are a customer outside the UK, read section 4, 'Installing a GW7000 Series router outside the UK'.

2 Installing a GW7000 Series router in the UK

2.1 Package contents for the UK

If you are a UK customer, check that you have all the components listed below.










1x GW7000 Series router		
1x purple ADSL cable	Both ends of the cable looks like this (RJ11):	
If your GW7000 Series router has dual ADSL a second purple ADSL cable is provided	Both ends of the cable looks like this(RJ11):	
1x yellow Ethernet cable.	Both ends of the cable look like this (RJ45):	
1x Black dial modem cable for PSTN.	One end of the cable looks like this (RJ11): The other end of the cable looks like a standard BT telephone connector.	
If your GW7000 Series router has a serial port, you need a serial cable. We do not provide a serial cable with the GW7000 Series		
1x power cable		
1x ADSL splitter		
1 x antenna (for 3G models only.)		
2 x rack mounts		

Table 1: Components for installing your GW7000

2.2 GW7000 Series serial and model descriptions for the UK

When you receive your GW7000 package retain the outer packaging. The label containing the model number, serial number (S/N) and part number (P/N) is located on the side of the packaging box.

Each GW7000 is assigned a unique serial number. Record your device serial number on a printed copy of your warranty or somewhere you can easily access it. You must reference your unique serial number (S/N) when you contact your distributor or Virtual Access support for installation and configuration confirmation or should you request service on the device.

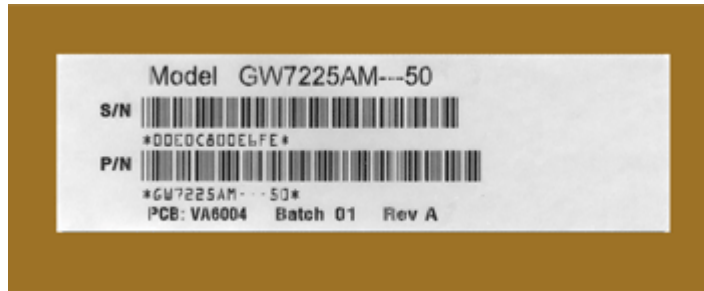


Figure 1: The model number on the side of the packaging

Unpack the contents. There is a corresponding silver label located on the bottom of the router.

If your GW7000 Series router has dual ADSL, a second purple ADSL cable is provided.

If your GW7000 Series router has a serial port, you need a serial cable. We do not provide a serial cable with the GW7000 Series router with a serial port. You can buy a serial cable from your distributor. Make sure that the serial cable that you buy complies with the interface that you use.

2.3 GW7000 series model descriptions

In the table below, match your model number. Check that all the parts are in your package before you install your router.

If there is a 'Y' in a field, you should have that part. If there is a 2 in a field, you should have two parts. If there is an 'O' in a field, it is an optional part. If you are missing any parts, please contact your distributor.

Model Number	Port Description	Power Cable	WAN Connection Cable RJ11 (purple)	Modem (PSTN) Cable BT-RJ11 (black)	Ethernet Cable (yellow)	ADSL Filter
GW7010	Quad Ethernet, WAN Ethernet	Y	Y	-	Y	-
GW7025	Quad Ethernet, WAN Ethernet	Y	Y	Y	Y	-
GW7110	Quad Ethernet, ADSL, WAN Ethernet	Y	Y	-	Y	O
GW7125	Quad Ethernet, ADSL, WAN Ethernet, Modem	Y	Y	Y	Y	O
GW7210	Quad Ethernet, Dual ADSL, WAN Ethernet	Y	2	-	Y	O
GW7225	Quad Ethernet, Dual ADSL, Modem	Y	2	Y	Y	O

Table 2: GW7000 series model numbers

3 Installing a GW7000 Series router in the UK before it is automatically configured

The GW7000 Series router is shipped in its factory default configuration for automatic configuration. After you have powered up the router for the first time, the config LED flashes to indicate that it is in a factory default configuration. The router automatically downloads its firmware and configuration files either via the ADSL or V90 connection. After connecting the cables, the automatic configuration process will take between 5 – 10 minutes. After the configuration is complete, the unit will reboot. After reboot the config LED will be solid to indicate that the automatic configuration process has been successful.

If this process is not successful, contact your support team.

3.1 Installing a GW7000 ADSL router in the UK

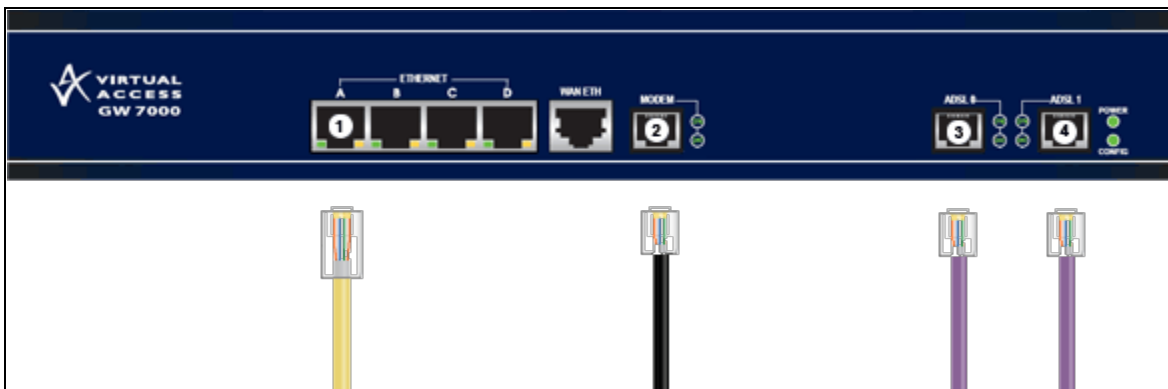


Figure 2: The cables you need for an ADSL connection

There are two different size WAN connectors: 1 small black RJ11 and 1(or 2) small purple RJ11(s); and 1 larger yellow RJ45.

1. On a GW7000 Series router, connect one end of a yellow RJ45 Ethernet cable to the Ethernet port marked A. Connect the other end into the LAN port of your PC or to a LAN hub.
2. Connect the RJ11 end of the black cable to the port marked MODEM. Connect the other end to a PSTN telephone socket.
3. To connect directly to an ADSL service, connect one end of the RJ11 connector on the purple cable to the port marked ADSL-0. Connect the other end of the RJ11 connector to the ADSL socket on the wall. This socket can be an RJ45 or an RJ11 port. The RJ11 will fit into both.

If you are using a cable modem or ADSL modem and not a direct service connection, do not connect the ADSL cable. Connect one end of an Ethernet cable to the port marked WAN ETH. Connect the other end to the Ethernet port on your cable modem or ADSL modem.

4. If you are using dual ADSL, connect one end of the second purple cable to the port marked ADSL-1. This cable has an RJ11 connector on both ends. Connect the other end of the RJ11 connector to the ADSL socket on the wall. This socket can be an RJ45 or an RJ11 port. The RJ11 will fit into both.

The GW7000 Series router is shipped in its factory default configuration for automatic configuration. The config LED will be flashing to indicate that it is in a factory default configuration. The router automatically downloads its firmware and configuration files either via the ADSL or V.90 connection. This process will take between 5 – 10 minutes. After the download is complete, the unit will reboot. After reboot the config LED will be solid to indicate that the automatic configuration process has been successful.

If this process is not successful, contact your support team.

3.2 Installing a GW7000 Series router with a serial connection in the UK

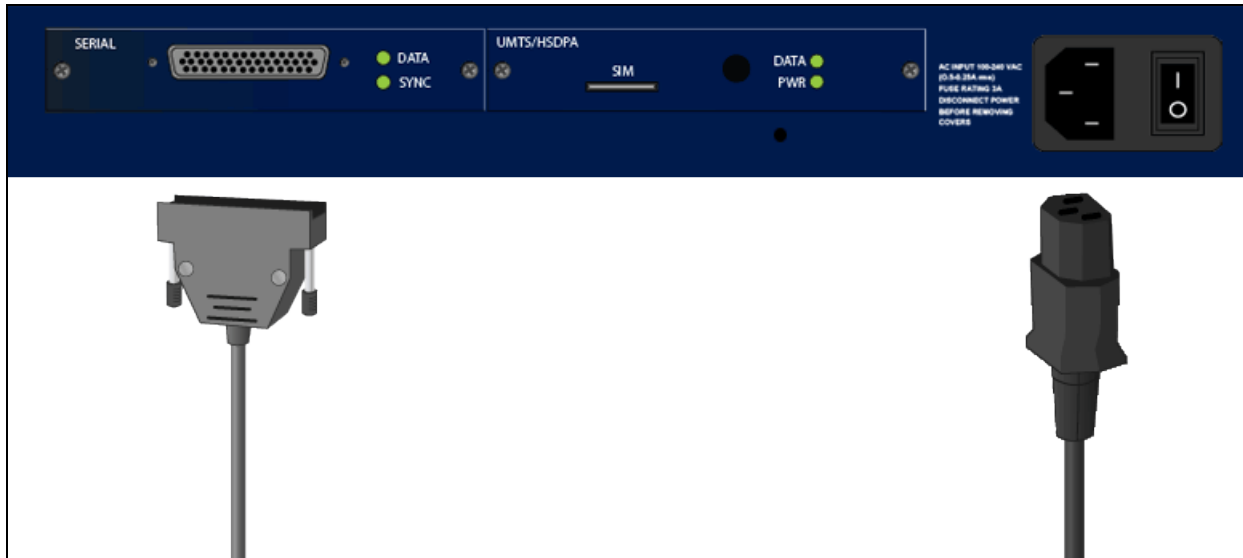


Figure 3: The cables you need for a serial and power connection

1. If you are using a serial connection, connect the serial cable to the serial port on the back of the router.
2. Connect the power supply connector to the power port on the back of the router.

The router initialises. The CONFIG LED flashes and all the LEDs temporarily light in sequence. Then the router activates.

The activation process can take between 5 and 10 minutes. The CONFIG light flashes throughout activation. When activation finishes, your router enters operational mode.

If the LEDs on your router are not correctly lit, check that:

- the cables are attached correctly, and
- your service has been enabled by your provider.

3.3 Installing a GW7000 Series router with an E1/T1 connection in the UK



Figure 4: The cables you need for an E1/T1 and power connection

1. For a standard connection, connect one end of the E1/T1 cable to the E1/T1 port on the back of the router and the other end of the cable to an E1/T1 switch.
2. For a back-to-back connection, connect one end of an E1/T1 cross over cable to the E1/T1 port on the back of the router. Connect the other end of the cable into the E1/T1 port of another device.
3. Connect the power supply connector to the power port.

The router initialises. The CONFIG LED flashes and all the LEDs temporarily light in sequence. Then the router activates.

The activation process can take between 5 and 10 minutes. The CONFIG light flashes throughout activation. When activation finishes, your router enters operational mode.

If the LEDs on the router are not correctly lit, check that:

- the cables are attached correctly, and
- your service has been enabled by your provider.

3.4 Installing a GW7000 3G connection in the UK

WARNING

The SIM card MUST be inserted into the router before the unit is powered on. Do not insert or remove the SIM card after the unit has been powered on.

1. Ensure the unit is powered off.
2. Hold the SIM card with the chip side facing down and the cut corner top left.
3. Gently push the SIM card into SIM slot 1 until it clicks in.

To remove the SIM card, gently push the SIM card. The card will click out.

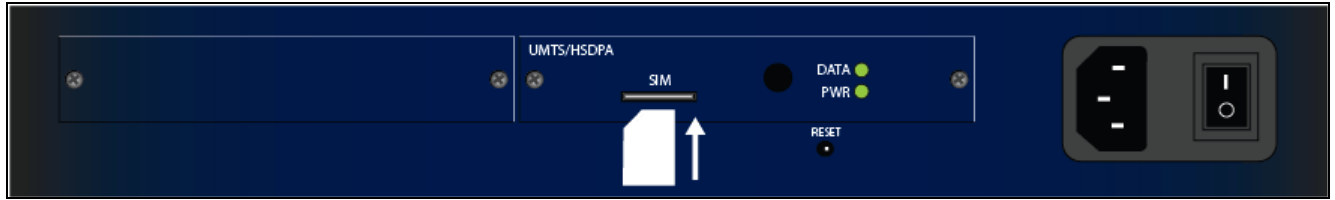


Figure 5: The position of the SIM card

4. Attach the antenna to the GW7000 Series router.
5. Connect the power supply connector to the power port.

The router initialises. The CONFIG LED flashes, and all the LEDs temporarily light in sequence. Then the router activates.

The activation process can take between 5 and 10 minutes. The CONFIG light flashes throughout activation. When activation finishes, the router enters operational mode.

If the LEDs on the GW7000 Series router are not correctly lit, check that:

- the cables are attached correctly, and
- your service has been enabled by your provider.

3.5 Installing a GW7000 public Ethernet connection in the UK

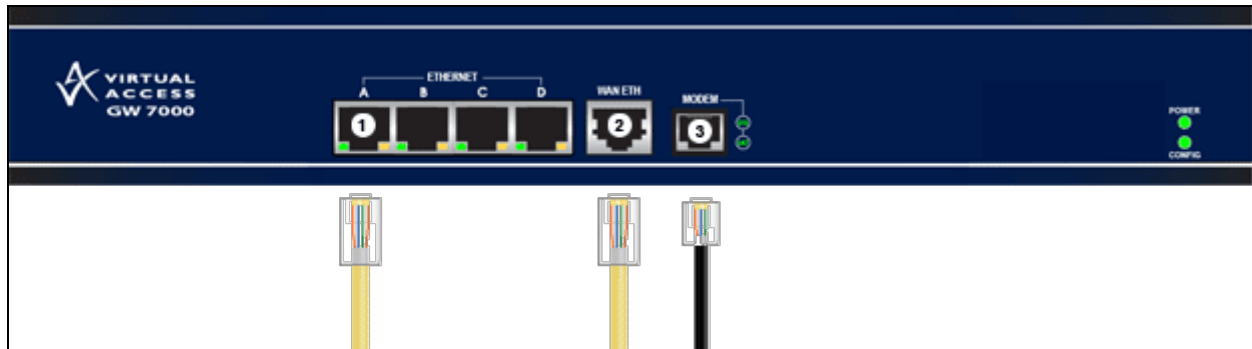


Figure 6: The cables you need for a public Ethernet connection

1. On the GW7000 Series router, connect one end of a yellow RJ45 Ethernet cable to the Ethernet port marked A. Connect the other end into the LAN port of your PC or to a LAN hub.
2. Connect one end of the Ethernet cable supplied by your service provider to the port marked WAN ETH on the router. The other end of the Ethernet cable will already be connected to the switch or socket provided by your service provider.
3. Connect the RJ11 end of the black cable to the port marked MODEM. Connect the other end to a PSTN telephone socket.
4. Connect the power supply connector to the power port on the back of the router.

The router initialises. The CONFIG LED flashes and all the LEDs temporarily light in sequence. Then the router activates.

The activation process can take between 5 and 10 minutes. The CONFIG light flashes throughout activation. When activation finishes, the router enters operational mode.

If the LEDs on the router are not correctly lit, check that:

- the cables are attached correctly, and
- your service has been enabled by your provider.

4 Installing a GW7000 Series router outside the UK

4.1 Package contents outside the UK

If you are a customer outside the UK, check that you have all the components listed below.










1x GW7000 Series router		
1x purple ADSL cable	Both ends of the cable looks like this:	
1x purple dial modem cable for PSTN	Both ends of the cable looks like this:	
1x yellow Ethernet cable.	Both ends of the cable look like this:	
If your GW7000 Series router has dual ADSL a third purple ADSL cable is provided.	Both ends of the cable look like this:	
If your GW7000 Series router has a serial port, you need a serial cable. We do not provide a serial cable with the GW7000 Series.		
1x regional power cable		
1x ADSL splitter		
1 x antenna (for 3G models only.)		
2 x wall hinges		

Table 3: Components for installing your GW7000

4.2 GW7000 Series serial and model descriptions outside the UK

When you receive your GW7000 package retain the outer packaging. The label containing the model number, serial number (S/N) and part number (P/N) is located on the side of the packaging box.

Each GW7000 is assigned a unique serial number. Record your device serial number on a printed copy of your warranty or somewhere you can easily access it. You must reference your unique serial number (S/N) when you contact your distributor or Virtual Access support for installation and configuration confirmation or should you request service on the device.

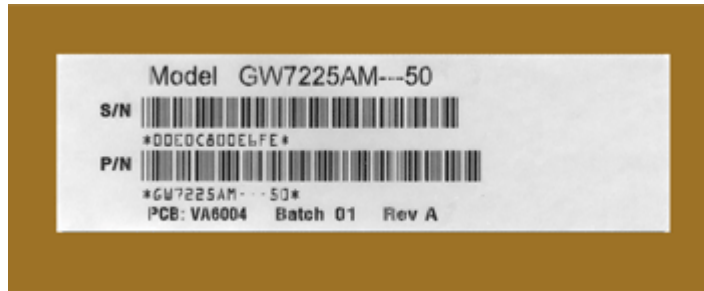


Figure 7: The model number on the side of the packaging

Unpack the contents. There is a corresponding silver label located on the bottom of the router.

If your GW7000 Series router has dual ADSL, a second purple ADSL cable is provided.

If your GW7000 Series router has a serial port, you need a serial cable. We do not provide a serial cable with the GW7000 Series router with a serial port. You can buy a serial cable from your distributor. Make sure that the serial cable that you buy complies with the interface that you use.

4.3 GW7000 series model descriptions

In the table below, match your model number. Check that all the parts are in your package before you install your router.

If there is a 'Y' in a field, you should have that part. If there is a 2 in a field, you should have two parts. If there is an 'O' in a field, it is an optional part. If you are missing any parts, please contact your distributor.

Model Number	Port Description	Power Cable	WAN Connection Cable RJ11 (purple)	Modem (PSTN) Cable BT-RJ11 (white)	Ethernet Cable (yellow)	ADSL Filter
GW7010	Quad Ethernet, WAN Ethernet	Y	Y	-	Y	-
GW7025	Quad Ethernet, WAN Ethernet	Y	Y	Y	Y	-
GW7110	Quad Ethernet, ADSL, WAN Ethernet	Y	Y	-	Y	O
GW7125	Quad Ethernet, ADSL, WAN Ethernet, Modem	Y	Y	Y	Y	O
GW7210	Quad Ethernet, Dual ADSL, WAN Ethernet	Y	2	-	Y	O
GW7225	Quad Ethernet, Dual ADSL, Modem	Y	2	Y	Y	O

Table 4: GW7000 series model numbers

5 Installing a GW7000 Series router outside the UK before it is automatically configured

The GW7000 Series router is shipped in its factory default configuration for automatic configuration. After you have powered up the router for the first time, the config LED flashes to indicate that it is in a factory default configuration. The router automatically downloads its firmware and configuration files either via the ADSL or V90 connection. After connecting the cables, the automatic configuration process will take between 5 – 10 minutes. After the configuration is complete, the unit will reboot. After reboot the config LED will be solid to indicate that the automatic configuration process has been successful.

If this process is not successful, contact your support team.

5.1 Installing a GW7000 ADSL router outside the UK

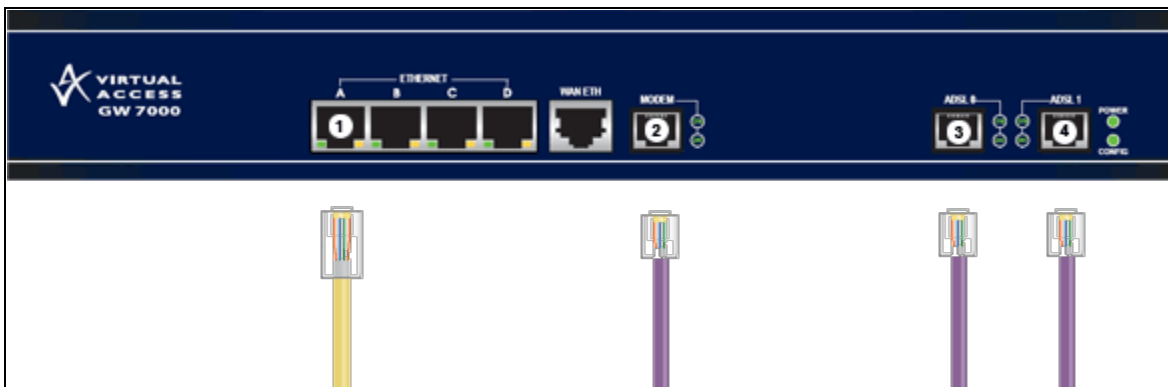


Figure 8: The cables you need for an ADSL connection outside the UK

There are two different size WAN connectors: 2(or 3) small purple RJ11(s); and 1 larger yellow RJ45.

1. On the GW7000 Series router, connect one end of the yellow RJ45 Ethernet cable to the Ethernet port marked A. Connect the other end into the LAN port of your PC or to a LAN hub.
2. Connect the RJ11 end of the purple cable to the port marked MODEM. Connect the other end to the ADSL socket on the wall or to the splitter. This socket can be an RJ45 or an RJ11 port. The RJ11 will fit into both.
3. To connect directly to an ADSL service, connect one end of the RJ11 connector on the purple cable to the port marked ADSL-0. Connect the other end of the RJ11 connector to the ADSL socket on the wall. This socket can be an RJ45 or an RJ11 port. The RJ11 will fit into both.

If you are using a cable modem or ADSL modem and not a direct service connection, do not connect the ADSL cable. Connect one end of the Ethernet cable to the port marked WAN ETH. Connect the other end to the Ethernet port on your cable modem or ADSL modem.

4. If you are using dual ADSL, connect one end of the second purple cable to the port marked ADSL-1. This cable has an RJ11 connector on both ends. Connect the other end

of the RJ11 connector to the ADSL socket on the wall. This socket can be an RJ45 or an RJ11 port. The RJ11 will fit into both.

The GW7000 Series router is shipped in its factory default configuration for automatic configuration. The config LED will be flashing to indicate that it is in a factory default configuration. The router automatically downloads its firmware and configuration files either via the ADSL or V90 connection. This process will take between 5 – 10 minutes. After the download is complete, the unit will reboot. After reboot the config LED will be solid to indicate that the automatic configuration process has been successful.

If this process is not successful, contact your support team.

5.2 Installing a GW7000 Series router with a serial connection outside the UK



Figure 9: The cables you need for a serial and power connection

1. If you are using a serial connection, connect the serial cable to the serial port on the back of the router.
2. Connect the power supply connector to the power port on the back of the router.

The router initialises. The CONFIG LED flashes and all the LEDs temporarily light in sequence. Then the router activates.

The activation process can take between 5 and 10 minutes. The CONFIG light flashes throughout activation. When activation finishes, your router enters operational mode.

If the LEDs on the router are not correctly lit, check that:

- the cables are attached correctly, and
- your service has been enabled by your provider.

5.3 Installing a GW7000 Series router with an E1/T1 connection outside the UK



Figure 10: The cables you need for an E1/T1 and power connection

1. For a standard connection, connect one end of the E1/T1 cable to the E1/T1 port on the back of the router and the other end of the cable to an E1/T1 switch.
2. For a back-to-back connection, connect one end of an E1/T1 cross over cable to the E1/T1 port on the back of the router. Connect the other end of the cable into the E1/T1 port of another device.
3. Connect the power supply connector to the power port.

The router initialises. The CONFIG LED flashes and all the LEDs temporarily light in sequence. Then the router activates.

The activation process can take between 5 and 10 minutes. The CONFIG light flashes throughout activation. When activation finishes, your router enters operational mode.

If the LEDs on your router are not correctly lit, check that:

- the cables are attached correctly, and
- your service has been enabled by your provider.

5.4 Installing a GW7000 3G connection outside the UK

WARNING

The SIM card MUST be inserted into the router before the unit is powered on. Do not insert or remove the SIM card after the unit has been powered on.

1. Ensure the unit is powered off.
2. Hold the SIM card with the chip side facing down and the cut corner top left.
3. Gently push the SIM card into SIM slot 1 until it clicks in.

To remove the SIM card, gently push the SIM card. The card will click out.

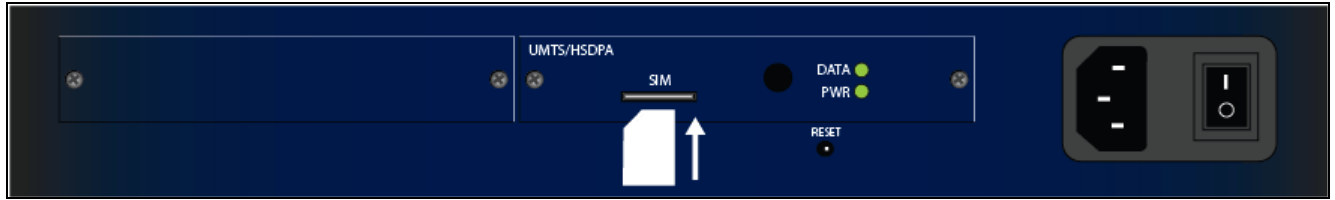


Figure 11: The position of the SIM card

4. Attach the antenna to the GW7000 Series router.
5. Connect the power supply connector to the power port.

The router initialises. The CONFIG LED flashes, and all the LEDs temporarily light in sequence. Then the router activates.

The activation process can take between 5 and 10 minutes. The CONFIG light flashes throughout activation. When activation finishes, the router enters operational mode.

If the LEDs on the router are not correctly lit, check that:

- the cables are attached correctly, and
- your service has been enabled by your provider.

5.5 Installing a GW7000 Series router public Ethernet connection outside the UK

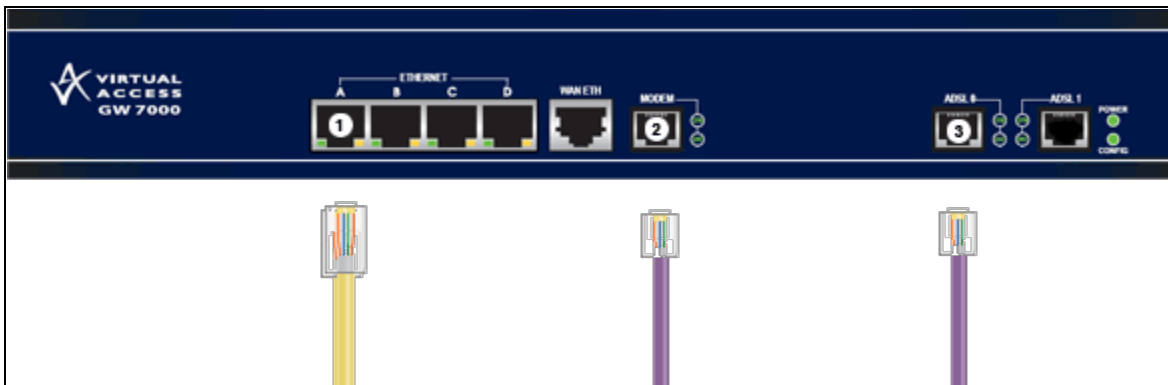


Figure 12: The cables you need for a public Ethernet connection

1. On the GW7000 Series router, connect one end of a yellow RJ45 Ethernet cable to the Ethernet port marked A. Connect the other end into the LAN port of your PC or to a LAN hub.
2. Connect one end of the Ethernet cable supplied by your service provider to the port marked WAN ETH on the router. The other end of the Ethernet cable will already be connected to the switch or socket provided by your service provider.
3. Connect the RJ11 end of the black cable to the port marked MODEM. Connect the other end to a PSTN telephone socket.
4. Connect the power supply connector to the power port on the back of the router.

The router initialises. The CONFIG LED flashes and all the LEDs temporarily light in sequence. Then the router activates.

The activation process can take between 5 and 10 minutes. The CONFIG light flashes throughout activation. When activation finishes, the router enters operational mode.

If the LEDs on the router are not correctly lit, check that:

- the cables are attached correctly, and
- your service has been enabled by your provider.