



# Quick Start Guide

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## **BSG8ew and BSG12aw/ew/tw 1.0** Business Services Gateway

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## Quick Start Wizard

Use this guide to complete the basic configuration of the Business Services Gateway (BSG) and to enable remote access configuration.

You will need the following information from your ISP or network administrator to complete the Wizard:

<b>Login information</b>	<b>Value</b>				
IP address of the device	default:192.168.1.1				
Username	default:nnadmin				
Password	default:PlsChgMe!				
<b>WAN</b>					
<b>BSG<sub>ew</sub></b>		<b>BSG<sub>tw</sub></b>		<b>BSG<sub>aw</sub></b>	
<b>Interface</b>		<b>Interface type</b>		<b>DSL Name</b>	
<b>Encapsulation mode</b>	Ethernet	<b>Interface</b>		<b>DSL Connection Type</b>	
	PPPoE	<b>Framing</b>	ESF SF	<b>VPI/VCI</b>	
<b>ISP (PPPoE)</b>	<b>Name</b>	<b>Clock source</b>	Loop Timing Local Timing	<b>User Name</b>	
	<b>User name</b>	<b>Time slot</b>		<b>Password</b>	
	<b>Password</b>	<b>Authentication required</b>			
		<b>User name</b>			
	<b>Password</b>				
<b>Host name</b>					
<b>MAC Cloning</b>	Enable Disable				
<b>MAC Address</b>					
<b>IP Address Assignment</b>	Manual Dynamic				
<b>WAN IP address</b>					
<b>Subnet Mask</b>					

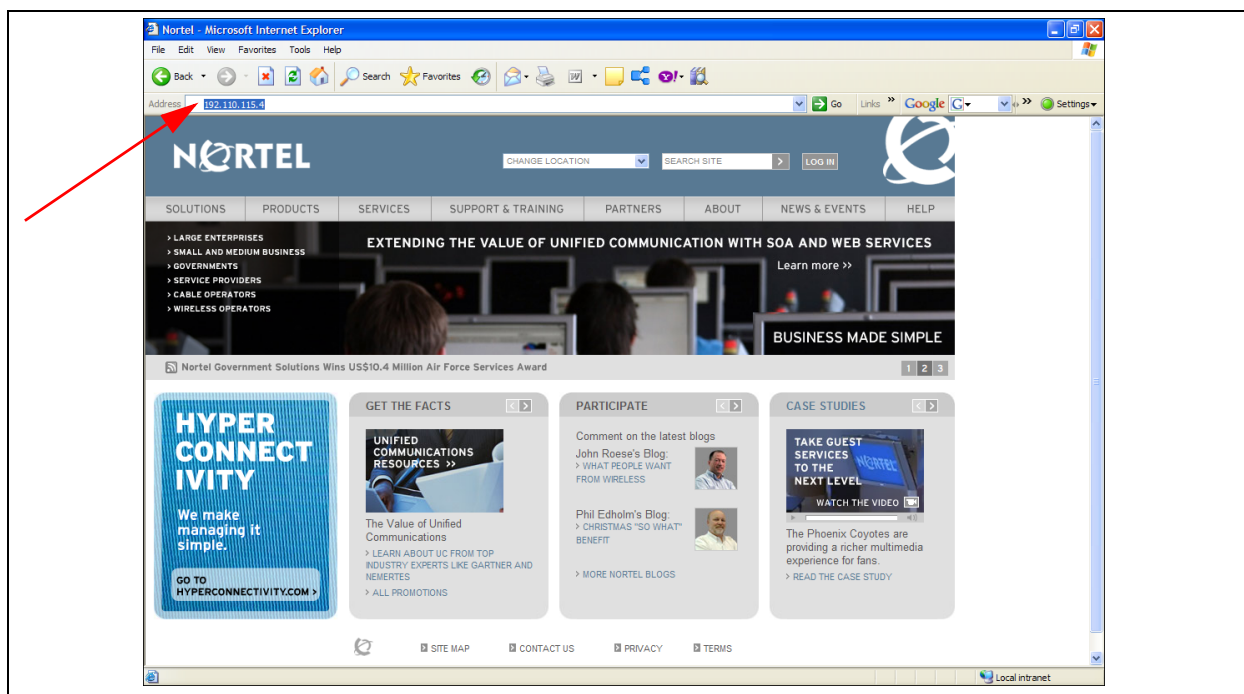
<b>Gateway IP Address</b>					
<b>Primary DNS</b>					
<b>Secondary DNS</b>					
<b>LAN</b>					
<b>LAN IP address</b>	Do not change				
<b>LAN subnet mask</b>	Do not change				
<b>DHCP Setup</b>	Server				
	Relay				
	None				
<b>DHCP Server configuration</b>	IP Pool Starting Address				
	IP Pool End Address				
<b>Wireless</b>					
<b>Country Code</b>					
<b>Wifi Security selection</b>	Open System				
	WPA-PSK				
	WPA2-PSK				
	WEP select key size- <b>64, 128, 152</b>				
<b>Security Key</b>					
<b>SIP Phone connection</b>					
<b>SIP host domain</b>					
<b>SIP central server</b>					
<b>Maximum Simultaneous calls per WAN link</b>	WAN port				
	number of permitted calls				

## Remote Access

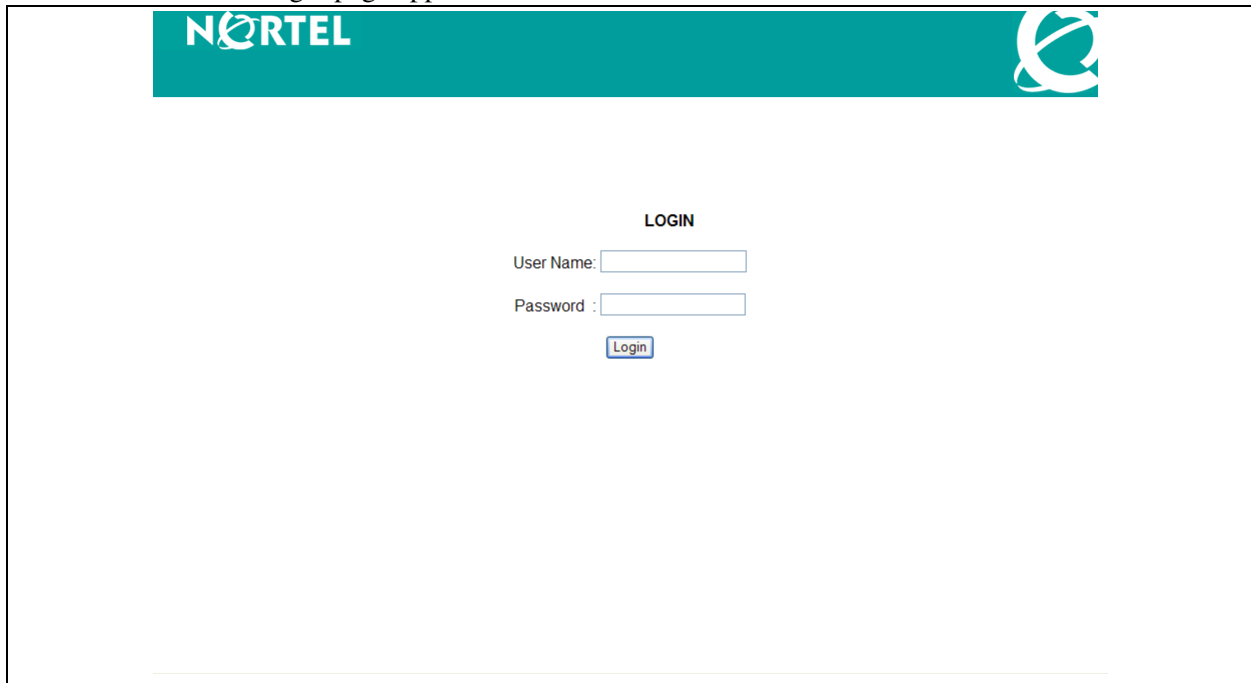
Remote Access	
Enable remote access	Telnet
	SSH

## Procedure

- 1 Ensure that the BSG is powered up and connected to the Internet.
- 2 Connect a PC to the LAN port of the BSG.
- 3 Open a web browser.
- 4 In the address bar of the browser, enter the LAN IP address of BSG and press Enter.



5 The BSG login page appears.

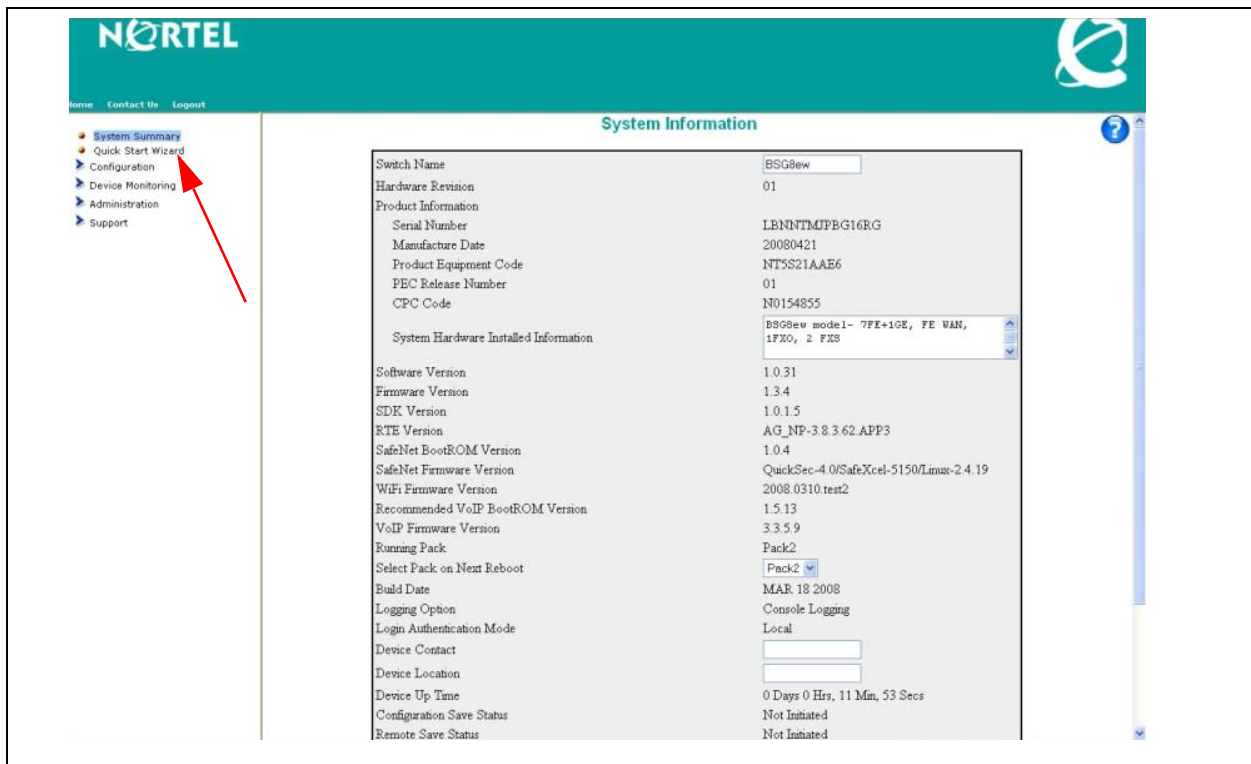


**LOGIN**

User Name:

Password :

6 Enter the user name and password and click the login button to access the device.  
The system information panel appears.



**System Information**

Switch Name	BSG8ew
Hardware Revision	01
Product Information	
Serial Number	LBNNMTPBG16RG
Manufacture Date	20080421
Product Equipment Code	NTSS21AAE6
PEC Release Number	01
CPC Code	N0154855
System Hardware Installed Information	BSG8ew mode1- 7FE+1GE, FE WAN, 1FXO, 2 FXS
Software Version	1.0.31
Firmware Version	1.3.4
SDK Version	1.0.1.5
RTE Version	AG_NP-3.8.3.62.APP3
SafeNet BootROM Version	1.0.4
SafeNet Firmware Version	QuickSec-4 0/SafeXcel-5150/Linux-2.4.19
WiFi Firmware Version	2008.0310.test2
Recommended VoIP BootROM Version	1.5.13
VoIP Firmware Version	3.3.5.9
Running Pack	Pack2
Select Pack on Next Reboot	Pack2
Build Date	MAR 18 2008
Logging Option	Console Logging
Login Authentication Mode	Local
Device Contact	<input type="text"/>
Device Location	<input type="text"/>
Device Up Time	0 Days 0 Hrs, 11 Min, 53 Secs
Configuration Save Status	Not Initiated
Remote Save Status	Not Initiated

- 7 In the navigation panel on the left, click on the Quick Start Wizard option.  
The **Quick Start Wizard** opens.



- 8 Click on the arrow in the middle of the page to continue.  
The **Setting Up Your WAN** configuration panel appears. The fields on your panel will be different depending on which model of BSG you are configuring. Select the appropriate model below:
- [BSGtw \(page 8\)](#)
  - [BSGEw \(page 9\)](#)
  - [BSGaw \(page 10\)](#)

## BSGtw

## WAN Configuration

Interface Type	T1
Interface	<input type="button" value="v"/> *
Framing	ESF <input type="button" value="v"/>
Clock Source	Loop Timing <input type="button" value="v"/>
Time Slot	1-24
Authentication Required	No <input type="button" value="v"/>
User Name	<input type="text"/> *
Password	<input type="text"/> *
IP Address Assignment	<input checked="" type="radio"/> Manual <input type="radio"/> Dynamic
IP Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> *
Subnet Mask	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> *
Peer IP Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Primary DNS	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Secondary DNS	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Peer DNS	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
	<input type="button" value="Apply"/> <input type="button" value="Next&gt;&gt;"/>

**Note:** Before proceeding with Quick start wizard make sure that there are no [Channel Groups](#) created.

- a** Select the interface from the drop down list.
- b** Select the Framing.
- c** Select the Clock Source.
- d** Enter the Time Slot.
- e** Select whether Authentication is Required.
- f** If authentication is required enter the username and password.
- g** Once you have finished entering the information click on the Apply button at the bottom of the panel.
- h** Click Next.  
The **Setting Up Your LAN** configuration panel appears.



## BSGew

Interface	<input type="button" value="v"/> *
Encapsulation Mode	PPPoE <input type="button" value="v"/>
ISP Name	<input type="text"/>
User Name	<input type="text"/>
Password	<input type="text"/>
MAC Cloning	<input type="radio"/> Enable <input checked="" type="radio"/> Disable
MAC Address	<input type="text" value="00"/> : <input type="text" value="00"/> : <input type="text" value="00"/> : <input type="text" value="00"/> : <input type="text" value="00"/> : <input type="text" value="00"/>
IP Address Assignment	<input type="radio"/> Manual <input checked="" type="radio"/> Dynamic
Host Name	<input type="text"/>
WAN IP Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> *
Subnet Mask	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/> *
Gateway IP Address	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Primary DNS	<input type="text"/> . <input type="text"/> . <input type="text"/> . <input type="text"/>
Secondary DNS	<input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/> . <input type="text" value="0"/>
<input type="button" value="Apply"/> <input type="button" value="Next&gt;&gt;"/>	

- a Select the interface from the drop down list.
- b Select the Encapsulation mode.

PPPoE	Ethernet
1. Enter ISP name	1. Select whether to enable or disable the MAC Cloning.
2. Enter the user name	2. If MAC cloning is enabled enter the MAC address.
3. Enter the password	3. Select whether IP address assignment is manual or dynamic
4. Enter the Host Name.	4. If the IP address assignment is manual enter the: <ul style="list-style-type: none"> <li>- WAN IP address</li> <li>- Subnet Mask</li> <li>- Gateway IP Address</li> <li>- Primary DNS</li> <li>- Secondary DNS</li> </ul>

- c Once you have finished entering the information click on the Apply button at the bottom of the panel.
- d Click Next.  
The **Setting Up Your LAN** configuration panel appears.

## BSGaw

## WAN Configuration

DSL Name	DSL-1
DSL Connection Type	Auto
VPI / VCI	0 / 0
Authentication Required	Yes
User Name	<input type="text"/> *
Password	<input type="text"/> *
<input type="button" value="Apply"/> <input type="button" value="Next&gt;&gt;"/>	

- a Select the DSL Name.
- b Select the DSL Connection Type.
- c Enter the VPI/VCI.
- d Select whether Authentication is Required.
- e Enter the username.
- f Enter the password.
- g Once you have finished entering the information click on the Apply button at the bottom of the panel.
- h Click Next.  
The **Setting Up Your LAN** configuration panel appears.

### Setting up your LAN

My LAN Configuration				
LAN IP Address	172	16	110	8 *
LAN Subnet Mask	255	255	255	0 *
DHCP Setup	Server			
DHCP Server Configuration				
IP Pool Starting Address	172	16	110	9 *
IP Pool End Address	172	16	110	107 *
DHCP Relay Configuration				
DHCP Server IP Address	172	16	110	57 *
<input type="button" value=" &lt;&lt;Prev"/> <input type="button" value=" Apply"/> <input type="button" value=" Next&gt;&gt;"/>				

- 9 Enter all of the parameters identified by your administrator at the beginning of this guide.
- 10 Once you have finished entering the information click on Apply to save the configuration.

- 11 Click the Next button at the bottom of the panel to advance to the next panel.  
The **Setting up your Wireless** configuration panel appears.

### Setting up your Wireless

Country Code	UNITED STATES	▼
WiFi Security	Open System	▼
WEP Key Size	64 Bit	▼
Security Key	<input type="text"/>	*
<input style="border: 1px solid #ccc;" type="button" value=" &lt;&lt;Prev "/> <input style="border: 1px solid #ccc;" type="button" value=" Apply "/> <input style="border: 1px solid #ccc;" type="button" value=" Next&gt;&gt; "/>		

- 12 Select the Country Code.
- 13 Refer to the information at the beginning of this guide for the correct security settings to enter.
- 14 Click on Apply to save the configuration.
- 15 Click the Next button at the bottom of the panel to advance to the next panel.  
The **Setting up Your SIP Phone Connection** configuration panel appears.

### Setting up your SIP Phone Connection

SIP Host Domain	<input type="text" value="DefDomain"/>	*
SIP Central Server	<input type="text" value="172.16.110.8"/>	*
Maximum Simultaneous Calls per WAN Link	▼ <input type="text"/>	*
<input style="border: 1px solid #ccc;" type="button" value=" &lt;&lt;Prev "/> <input style="border: 1px solid #ccc;" type="button" value=" Apply "/> <input style="border: 1px solid #ccc;" type="button" value=" Next&gt;&gt; "/>		

- 16 Enter the SIP Host Domain.
- 17 Enter the SIP Central Server address.
- 18 Enter the maximum number of Simultaneous Calls permitted across the selected WAN interface.
- 19 Click on the Apply button to save the configuration.
- 20 Click on the Next button at the bottom of the panel.

**21** You have successfully completed the BSG Quick Start Wizard.

## Congratulations, you have entered all necessary data!

**Review Data**

WAN Configuration			
Interface	-NA-	Connection Type	PPPoE
ISP Name		User Name	
MAC Cloning	Disabled	MAC Address	00:00:00:00:00:00
IP Address Assignment	Dynamic	Host Name	
WAN IP Address	0.0.0.0	WAN Mask	0.0.0.0
Gateway IP Address	0.0.0.0	Primary DNS Server	0.0.0.0
Secondary DNS Server	0.0.0.0		
LAN Configuration			
LAN IP Address	172.16.110.8	LAN Mask	255.255.255.0
DHCP Setup	Server		
IP Pool Start Address	172.16.110.9	IP Pool End Address	172.16.110.107
DHCP Server	172.16.110.57		
Wireless Configuration			
WiFi Country Code	<input type="text" value="UNITED STATES"/>	WEP Key Size	-NA-
WiFi Security	Open		
SIP Configuration			
SIP Host Domain	DefDomain	SIP Central Server	172.16.110.8
Maximum Simultaneous Calls Allowed			
<input type="button" value="Change"/> <input type="button" value="Continue"/>			

**22** Verify all of the information that you have entered is correct. If the information is correct, click Continue to save the information. If you want to make changes to the information, click on the Change button at the bottom of the page and you will run through the Wizard again.

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