SMART/RG®
forward thinking

Quick Start Guide

SR655ac

This Quick Start Guide shows you how to set up and start using your new gateway.

Important Safety Instructions

When using your telephone equipment, basic safety precautions should always be followed to reduce the risk of fire, electric shock and injury to persons, including the following:

1. Do not use this product near water, for example, near a bath tub, wash bowl, kitchen sink or laundry tub, in a wet basement or near a swimming pool.
2. Avoid using a telephone (other than a cordless type) during an electrical storm. There may be a remote risk of electric shock from lightning.
3. Do not use the telephone to report a gas leak in the vicinity of the leak.
4. **CAUTION** - To Reduce the risk of fire, use only No. 26 AWG or larger telecommunication line cord.

The socket-outlet shall be installed near the equipment and shall be easily accessible.

Importantes Mesures de Sécurité

tre prises pendant l'utilisation de matérial téléphonique afin de réduire les risques d'incendie, de choc électrique↓Certaines mesures de sécurité doivent et de blessures. En voici quelquesunes:

1. Ne pas utiliser l'appareil près de l'eau, p.ex., près d'une baignoire, d'un lavabo, d'un évier de cuisine, d'un bac à laver, dans un sous-sol humide ou près d'une piscine.
2. Éviter d'utiliser le téléphone (sauf s'il s'agit d'un appareil sans fil) pendant un orage électrique. Ceci peut présenter un risque de choc électrique causé par la foudre.
3. Ne pas utiliser l'appareil téléphonique pour signaler une fuite de gaz s'il est situé près de la fuite.
4. **ATTENTION** - Pour réduire les risques d'incendie, utiliser uniquement des conducteurs de télécommunications 26 AWG au de section supérleure.

le socle de prise de courant doit être installé à proximité du matériel et doit être aisément accessible.

FCC Statements

FCC - Part 68

This equipment complies with Part 68 of the FCC rules and the requirements adopted by the ACTA. On the bottom case of this equipment is a label that contains, among other information, a product identifier in the format US: VW7DL01BSR655A. This indicates a REN (Ringer Equivalency Value) of 0.18.

This equipment uses the following USOC jacks: RJ-11/RJ45/USB/Power Jacks.

A plug and jack used to connect this equipment to the premises wiring and telephone network must comply with the applicable FCC Part 68 rules and requirements adopted by the ACTA. A compliant telephone cord and modular plug is provided with this product. It is designed to be connected to a compatible modular jack that is also compliant. See installation instructions for details.

Ringer Equivalency Number Statement

REN=0.18

The Ringer Equivalence Number (REN) indicates the maximum number of devices allowed to be connected to a telephone interface. The termination of an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices not exceed five.

L'indice d'équivalence de la sonnerie (IES) sert à indiquer le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas 5.

Notice: The Ringer Equivalency Number (REN) assigned to each terminal device provides an indication of the maximum number of terminals allowed to be connected to a telephone interface. The termination on an interface may consist of any combination of devices subject only to the requirement that the sum of the Ringer Equivalence Numbers of all the devices does not exceed 5.

If this equipment causes harm to the telephone network, the telephone company will notify you in advance that temporary discontinuance of service may be required. But if advance notice isn't practical, the telephone company will notify the customer as soon as possible. Also, you will be advised of your right to file a complaint with the FCC if you believe it is necessary.

The telephone company may make changes in its facilities, equipment, operations or procedures that could affect the operation of the equipment. If this happens the telephone company will provide advance notice in order for you to make necessary modifications to maintain uninterrupted service.

If trouble is experienced with this equipment, for repair or warranty information, please contact SmartRG,Inc. If the equipment is causing harm to the telephone network, the telephone company may request that you disconnect the equipment until the problem is resolved.

Connection to party line service is subject to state tariffs. Contact the state public utility commission, public service commission or corporation commission for information.

If your home has specially wired alarm equipment connected to the telephone line, ensure the installation of this device does not disable your alarm equipment. If you have questions about what will disable alarm equipment, consult your telephone company or a qualified installer.

IC CS-03 statement

This product meets the applicable Industry Canada technical specifications.

Le présent matériel est conforme aux specifications techniques applicables d'Industrie Canada.

The Ringer Equivalence Number (REN) is an indication of the maximum number of devices allowed to be connected to a telephone interface. The termination of an interface may consist of any combination of devices subject only to the requirement that the sum of the RENs of all the devices not exceed five. / L'indice d'équivalence de la sonnerie (IES) sert à indiquer le nombre maximal de terminaux qui peuvent être raccordés à une interface téléphonique. La terminaison d'une interface peut consister en une combinaison quelconque de dispositifs, à la seule condition que la somme d'indices d'équivalence de la sonnerie de tous les dispositifs n'excède pas cinq.

FCC - Part 15

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Radiation Exposure Statement

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and it also complies with Part 15 of the FCC RF Rules. This equipment must be installed and operated in accordance with provided instructions and the antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter. End-users and installers must be provide with antenna installation instructions and consider removing the no-collocation statement.

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Caution!

Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Canada Statement

This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

The device meets the exemption from the routine evaluation limits in section 2.5 of RSS 102 and compliance with RSS-102 RF exposure, users can obtain Canadian information on RF exposure and compliance.

Le dispositif rencontre l'exemption des limites courantes d'évaluation dans la section 2.5 de RSS 102 et la conformité à l'exposition de RSS-102 rf, utilisateurs peut obtenir l'information canadienne sur l'exposition et la conformité de rf.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

Cet émetteur ne doit pas être Co-placé ou ne fonctionnant en même temps qu'aucune autre antenne ou émetteur. Cet équipement devrait être installé et actionné avec une distance minimum de 20 centimètres entre le radiateur et votre corps.

This radio transmitter (identify the device by certification number, or model number if Category II) has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain and required antenna impedance for each antenna type indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio (identifier le dispositif par son numéro de certification ou son numéro de modèle s'il fait partie du matériel de catégorie I) a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal et l'impédance requise pour chaque type d'antenne. Les types d'antenne non inclus dans cette liste, ou dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

EMC Compliance Statement

This Class A digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

5GHz

5150-5250 MHz band is restricted to indoor operations only.

INSTALLATION

Locate the splitter cable that is included with your SmartRG gateway. It has three ports.

1. Connect the splitter as follows:
    a. Connect the DSL port of the gateway and the **Modem** port of the splitter with a telephone cable
    b. Connect the phone to the **Phone** port of the splitter with a telephone cable
    c. Connect the incoming line to the **Line** port of the splitter.

2. Connect a LAN port of the gateway to the network card of the PC using an Ethernet cable.

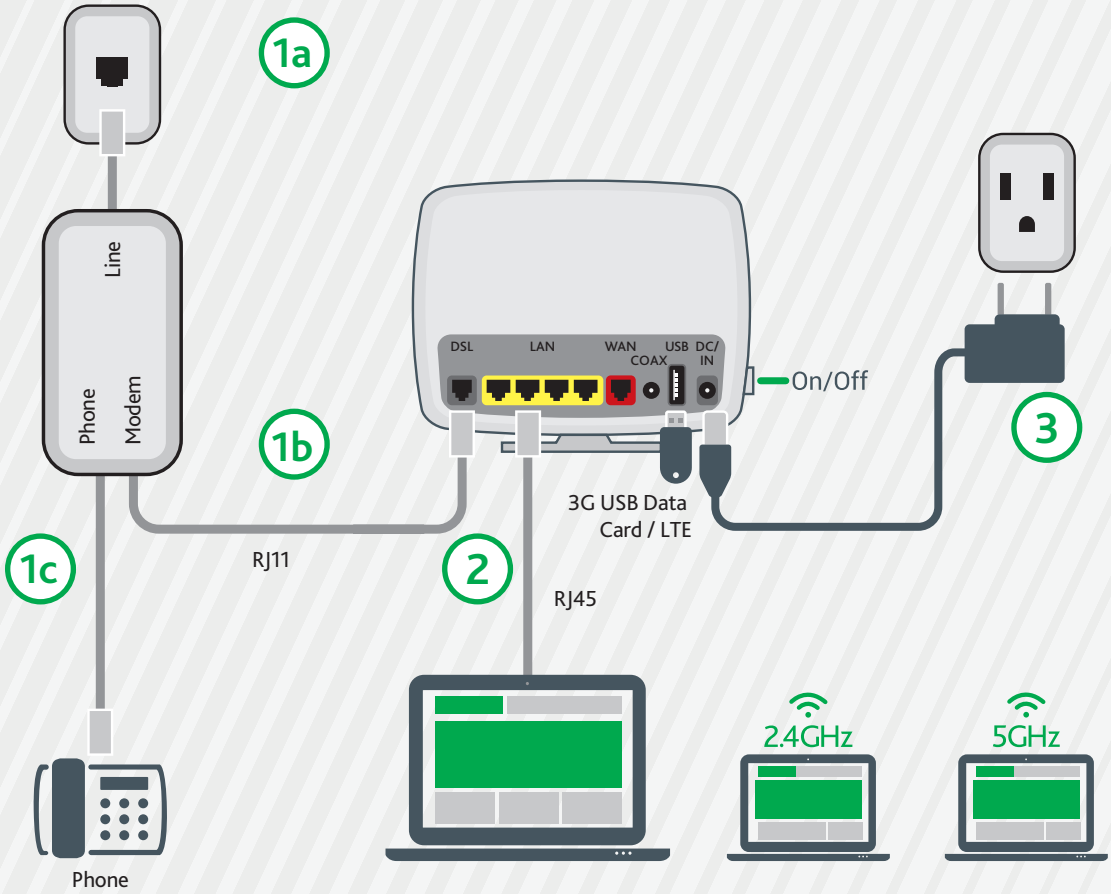
3. Plug the power adapter to the wall outlet and then connect the other end of it to the Power port of the gateway.

4. Turn on the unit by pressing the On/Off button on the side of the gateway.

Note: If you use 3G WAN service, connect the 3G USB data card to the USB port of the gateway. If you use the Ethernet uplink, connect to the WAN interface using an Ethernet cable. You cannot use the xDSL uplink, 3G WAN service, and Ethernet uplink at the same time.

Your gateway is now automatically being set up to connect to the Internet. This process may take a few minutes to complete before you can begin using your Internet applications (browser, email, etc.).

If you are unable to connect to the Internet, confirm that all cable connections are in place and the gateway's power is turned on.


1a
Line
Phone
Modem
1b
1c
RJ11
DSL
LAN
WAN
COAX
USB
DC/
IN
On/Off
3G USB Data
Card / LTE
2
RJ45
3
Phone
2.4GHz
5GHz

LED INDICATORS

The LEDs on the SR655ac can assist you in better understanding the current state of your gateway.

	POWER	DSL	INTERNET	WAN	LAN 1-4	2.4 GHZ	5 GHZ	USB 1-2	WPS
DSL sync in progress		⚙							
DSL sync acquired and gateway online		●	●						
Wi-Fi enabled on modem						●	●		●
Data transfer			⚙	⚙	⚙	⚙	⚙		
WPS setup procedure in progress									⚙
USB device connected / data transfer								●/⚙	
Internet authentication/connection has failed			●						
Device in CFE mode for recovery	●								

● : Green ⚙ : Blinking / Active ● : Red

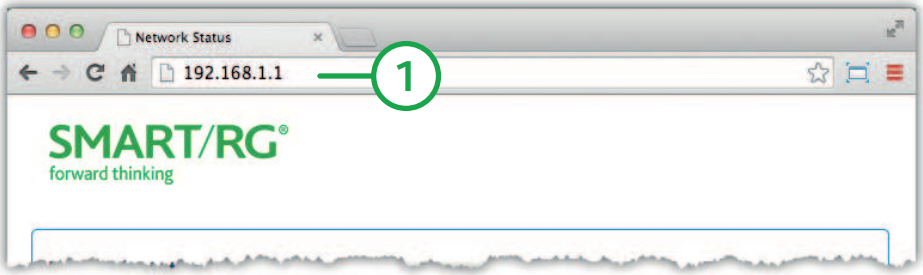
QUICK GATEWAY CONFIGURATION

Warning: Do not press the **Reset** button unless you want to clear the current settings. The **Reset** button is in a small circular hole on the rear panel. If you want to restore the default settings, insert a thin wire (such as a paper clip) into the hole, press the **Reset** button gently for 1 second, and then release the button. The system reboots and returns to the factory defaults.

Logging in to your gateway

To change the settings on your gateway, you must log in the gateway's interface. Make sure that you have completed the steps in "INSTALLATION" before you begin.

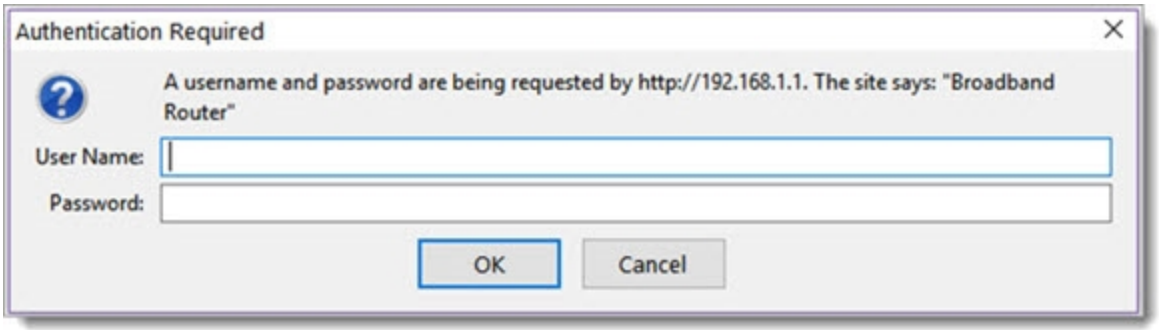
1. Open your internet browser application and type 192.168.1.1 into the address line.



2. The login dialog appears. Enter the factory default credentials shown below and click **OK**.

   User Name: admin **Password**: admin

   Note: Your service provider may use other settings. Contact your provider for details.



3. At the bottom of the page, click **Manage gateway (advanced)**. The gateway interface appears, showing the Device Info summary page.

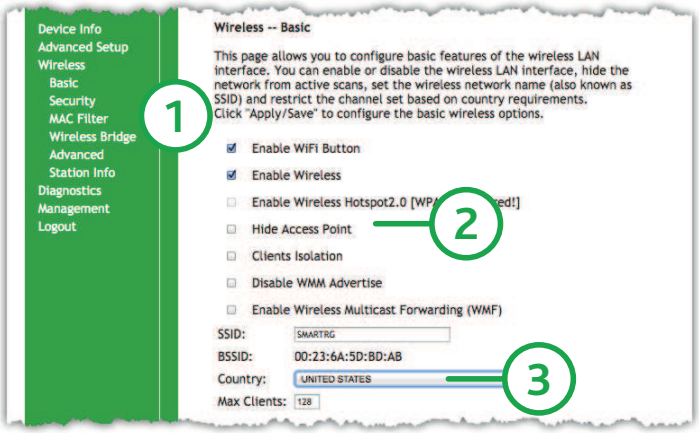
Configuring the WAN manually

If the automatic connect process is unsuccessful, refer to the **Advanced Setup** > **Layer 2 Interface** and **WAN Services** sections of the *SmartRG SR655ac Gateway User Manual* to manually establish a connection.

WiFi Setup

Two methods, (A) WPS and (B) Manual, are available for WiFi setup. Perform the steps on this page first, and then follow the instructions for the applicable method.

1. In the left navigation bar, click **Wireless** > **Basic**.



2. Click **Enable Wireless**.

3. If desired, in the **SSID** field, enter the network name to which you want your client devices connected. Continue with the steps for the method you prefer.

Ⓐ *WPS Method*

If the device you wish to connect to the Internet via your gateway supports the WPS secure WiFi connection method, follow these steps.

1. In the left navigation bar, click **Wireless** > **Security**.

2. Select **Enable WPS** and click **Apply/Save** to commit your selection.

3. Within 2 minutes, activate **WPS** on the 3rd party device to which you wish to connect. The device may have a pushbutton on its exterior or a software interface is used to initiate WPS connection. To learn how to use the WPS feature on your client device, refer to its documentation.

Your device should now be connected to your gateway wirelessly using WPS. If you encounter problems with the WPS setup such as connection failure, refer to your client device for further instructions.

B *Manual Method*

Set up your gateway's parameters first, then follow these steps.

1. In the left navigation bar, select **Wireless** > **Security** and scroll down to the **Manual Setup AP** section.

2. If your gateway supports multiple wireless networks, select the **SSID** of the network you wish to configure. You will need this ID for step 7.
3. Select the desired **Network Authentication**. Make sure that the host devices you intend to use support the selected authentication type.

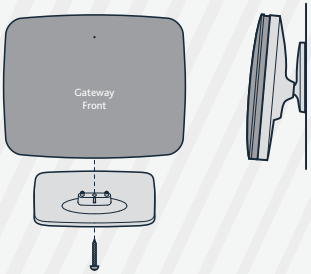
4. Choose a **WPA Passphrase** and type it in to this field. You will need this passphrase for step 7.

5. Select any desired **encryption preferences** in the lower three fields.

6. Click **Apply / Save**.

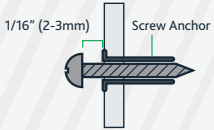
7. Follow the WiFi connection instructions provided with your client device to connect to the gateway. Use the **SSID name** you selected in Step 2. Then enter the passphrase that you entered in step 4 in the appropriate location on the network setup screen of your WiFi client device.

OPTIONAL WALL MOUNT



1. Using a Phillips-head screwdriver, remove the mount from its present location on the bottom of the gateway.

2. Slide the mount onto the back of the gateway. Tighten the screw located in the bottom of the mount.



3. Using the template below, mount the two included screws to the wall. Using screw anchors is recommended.

4. Slide the back of the mount down on the screws.

RECORD YOUR SR655ac WIFI SETTINGS

	Predefined wireless settings	If you change the preset wireless settings
WiFi network name (SSID)		
Network key (password)		

ADDITIONAL SUPPORT

If you require further instructions, please contact your local ISP Support.

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