

# SmartNode<sup>™</sup> 4660 & 4670 Series **Multiport BRI/FXS/FXO VoIP Gateway Router, IAD**

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## Quick Start Guide



This is a Class B device and is intended for use in a light industrial (commercial) or residential environment. It is not intended for use in a heavy industrial environment.

**REGULATORY MODEL NUMBER: 13243D4-001**



- Do not open the device when the power cord is connected. For systems without a power switch and without an external power adapter, line voltages are present within the device when the power cord is connected.

*Ne pas ouvrir l'appareil lorsque le cordon d'alimentation est connecté. Pour les systèmes sans un commutateur de puissance et sans un adaptateur d'alimentation externe, des tensions de ligne sont présents au sein de l'appareil lorsque le cordon d'alimentation est connecté.*

- For devices with an external power adapter, the power adapter shall be a listed *Limited Power Source*. The mains outlet that is utilized to power the device shall be within 10 feet (3 meters) of the device, shall be easily accessible, and protected by a circuit breaker in compliance with local regulatory requirements.

*Pour les appareils avec un adaptateur d'alimentation externe, l'adaptateur d'alimentation doit être une source d'alimentation limitée cotée. La prise de courant qui est utilisé pour alimenter le dispositif doit être à 10 pieds (3 mètres) de l'appareil, doit être facilement accessible, et protégé par un disjoncteur en conformité avec les exigences réglementaires locales.*

- For AC powered devices, ensure that the power cable used meets all applicable standards for the country in which it is to be installed.

*Pour les appareils alimentés par AC, veiller à ce que le câble d'alimentation utilisé respecte toutes les normes applicables pour le pays dans lequel il doit être installé.*

- For AC powered devices which have 3 conductor power plugs (L1, L2 & GND or Hot, Neutral & Safety/Protective Ground), the wall outlet (or socket) must have an earth ground.

*Pour les appareils alimentés en ca qui ont 3 prises de courant des conducteurs (L1, L2 et GND ou à chaud, neutre et de la sécurité / de protection au sol), la prise murale (ou socket) doit avoir une prise de terre.*

- For DC powered devices, ensure that the interconnecting cables are rated for proper voltage, current, anticipated temperature, flammability, and mechanical serviceability.

*Pour les appareils alimentés par courant continu, veiller à ce que les câbles d'interconnexion sont conçus pour la tension appropriée, courant, température prévue, l'inflammabilité et d'entretien mécanique.*

- WAN, LAN & PSTN ports (connections) may have hazardous voltages present regardless of whether the device is powered ON or OFF. PSTN relates to interfaces such as telephone lines, FXS, FXO, DSL, xDSL, T1, E1, ISDN, Voice, etc. These are known as "hazardous network voltages" and to avoid electric shock use caution when working near these ports. When disconnecting cables for these ports, detach the far end connection first.

*Ports WAN, LAN et PSTN (connexions) peuvent avoir des tensions dangereuses présenter indépendamment du fait que l'appareil est allumé ou éteint. PSTN concerne des interfaces telles que les lignes téléphoniques, FXS, FXO, DSL, xDSL, T1, E1, ISDN, Voix, etc Ils sont connus comme "tensions dangereuses du réseau" et d'éviter un choc électrique preuve de prudence lorsque l'on travaille à proximité de ces ports. Lors de la déconnexion des câbles pour ces ports, détacher la connexion bout en premier.*

- Do not work on the device or connect or disconnect cables during periods of lightning activity

*Ne pas travailler sur l'appareil ou de connecter ou déconnecter les câbles pendant les périodes d'activité de foudre.*



**This device contains no user serviceable parts. This device can only be repaired by qualified service personnel.**

***Cet appareil contient des pièces n'est réparable par l'utilisateur. Ce dispositif ne peut être réparé par du personnel qualifié.***



In accordance with the requirements of council directive 2002/96/EC on Waste of Electrical and Electronic Equipment (WEEE), ensure that at end-of-life you separate this product from other waste and scrap and deliver to the WEEE collection system in your country for recycling.



**Electrostatic Discharge (ESD) can damage equipment and impair electrical circuitry. It occurs when electronic printed circuit cards are improperly handled and can result in complete or intermittent failures. Do the following to prevent ESD:**

- Always follow ESD prevention procedures when removing and replacing cards.
- Wear an ESD-preventive wrist strap, ensuring that it makes good skin contact. Connect the clip to an unpainted surface of the chassis frame to safely channel unwanted ESD voltages to ground.
- To properly guard against ESD damage and shocks, the wrist strap and cord must operate effectively. If no wrist strap is available, ground yourself by touching the metal part of the chassis.

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## 1.0 Power up the SmartNode

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1. Connect the SmartNode to a power source using the included power supply and cable.
2. When the *Power* LED stops blinking and remains lit, the SmartNode is ready to configure.

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## 2.0 Configuring your SmartNode

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Refer to the *SmartNode 4660 & 4670 Series User Manual* available online at [www.patton.com/manuals/SN4660-SN4670.pdf](http://www.patton.com/manuals/SN4660-SN4670.pdf) for detailed information about:

- Installing, configuring, operating, and troubleshooting the SmartNode
- Warranty, trademark & compliance

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## **A.0 Customer and Technical Support**

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Toll-Free VoIP support: call **sip:support@patton.com** with a VoIP SIP client

Online support: **www.patton.com**

E-mail support: **support@patton.com**— answered within 1 business day

Telephone support:

- Standard: +1 (301) 975-1007 (USA), Monday–Friday: 8:00 am to 5:00 pm EST (1300 to 2200 UTC/GMT)
- Alternate: +41 (0)31 985 25 55 (Switzerland), Monday–Friday: 9:00 am to 5:30 pm CET (08:00 to 16:30 UTC/GMT)

Fax: +1 (253) 663-5693 (USA) or +41 (0)31 985 25 26 (Switzerland)

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## **B.O Appendix—Factory default settings**

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### **B.1 SmartNode 4660**

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Username: *administrator*  
Password: *(blank)*  
IP Address (Eth 0/0): *DHCP*  
Network Mask (Eth 0/0): *n/a*  
IP Address (Eth 0/1-0/3): *192.168.1.1 (DHCP Server)*  
Network Mask (Eth 0/1-0/3): *255.255.255.0*

### **B.2 SmartNode 4670**

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Username: *administrator*  
Password: *(blank)*  
IP Address (Eth 0/0-0/3): *192.168.1.1 (DHCP Server)*  
Network Mask (Eth 0/0-0/3): *255.255.255.0*

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## **C.O Compliance Information**

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### **C.1 Compliance**

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EMC Compliance:

- FCC Part 15, Class B
- EN55022, Class B
- EN55024

Low-Voltage Directive (Safety) Compliance:

- UL60950-1/CSA C22.2 No. 60950-1
- IEC/EN 60950-1, 2nd edition
- AS/NZS 60950-1

PSTN Compliance:

- ACMA AS/ACIF S043.2:2008
- ACMA AS/ACIF S003:2008
- TBR3

## **C.2 Radio and TV interference**

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The SmartNode router generates and uses radio frequency energy, and if not installed and used properly — that is, in strict accordance with the manufacturer's instructions — may cause interference to radio and television reception. The SmartNode router have been tested and found to comply with the limits for a Class B computing device in accordance with specifications in Subpart B of Part 15 of FCC rules, which are designed to provide reasonable protection from such interference in a commercial installation. However, there is no guarantee that interference will not occur in a particular installation. If the SmartNode router does cause interference to radio or television reception, which can be determined by disconnecting the unit, the user is encouraged to try to correct the interference by one or more of the following measures: moving the computing equipment away from the receiver, re-orienting the receiving antenna and/or plugging the receiving equipment into a different AC outlet (such that the computing equipment and receiver are on different branches).

## **C.3 CE Declaration of Conformity**

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Patton Electronics, Inc declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The Declaration of Conformity may be obtained from Patton Electronics, Inc at [www.patton.com/certifications](http://www.patton.com/certifications).

The safety advice in the documentation accompanying this device shall be obeyed. The conformity to the above directive is indicated by CE mark on the device.

## **C.4 Authorized European Representative**

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D R M Green

European Compliance Services Limited.

Oakdene House, Oak Road ,

Watchfield, Swindon, Wilts SN6 8TD, UK

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## **Warranty**

For warranty information, refer to the *SmartNode 4660 & 4670 Series User Manual* available online at [www.patton.com/manuals/SN4660-SN4670.pdf](http://www.patton.com/manuals/SN4660-SN4670.pdf).

