SmartNode™ Branch eXchange Series

SIP 3CX Based Private Branch Exchange

Quick Start Guide

C E **Important**—This is a Class B device and is intended for use in a light industrial or residential environment. It is not intended nor approved for use in an industrial environment.

WARNING

- **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.**

- **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.**

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

- **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.**

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

- **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.**

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

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

- **If one has reason to open the chassis or case, then the precautions mentioned above shall be followed. This includes both the warnings relating to disconnection of the input power, and the warnings relating to the disconnection of WAN, LAN & PSTN ports.**

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.

1.0 Before you begin

In the box, you will find:
- One SmartNode Branch eXchange (SNBX)
- One External Power Supply
- One RJ45 Ethernet Straight Cable (male-to-male)
- One warranty sheet
- One packing slip
- One SmartNode Branch eXchange Quick Start Guide

To install the SNBX, you will need (not included):
- KVM, keyboard, and mouse

  or

- One External PC

2.0 Connecting to the Power Source

1. Connect the external power supply to the SNBX by inserting the barrel connector into the *DC-IN* port, and connect the power adapter to mains power.
2. Verify that the Power button on the front panel is lit (solid green). If the power button is not lit, press the Power button on the front of the SNBX.

3.0 Connecting the SNBX via KVM

1. Plug a keyboard and mouse into the USB ports on the front panel of the SNBX.
2. Connect a video monitor display into the port labeled *DVI/VGA* on the rear panel of the SNBX.

4.0 Installing the SNBX via a Remote Host

1. Connect using the Microsoft Terminal Server Connection (MSTSC) (Remote Desktop Connection-RDP) to IP Address 192.168.200.10/24.

2. Connect directly to the 3CX Server as described in section **5.1 "Connecting the Ethernet management interface"** on page 4.

5.0 Connecting to the Windows host

1. Connect to the Windows host through the console (KVM) (see **3.0 "Connecting the SNBX via KVM"** on page 3) OR through remote means (see **4.0 "Installing the SNBX via a Remote Host"** on page 4). The IP address of the management port is set to **192.168.200.10/24** with a default route to **192.168.200.1.**

2. The default HOSTNAME is PATTON-SNBX in a workgroup labeled WORKGROUP.

3. The Windows Administrator account is patton/patton

5.1 Connecting the Ethernet management interface

1. Connect the supplied (or other) CAT5 Ethernet cable to the *LAN port* on the rear panel of the SNBX.

2. Log into the SmartNode remotely via MSTSC or RDP.

6.0 Logging into the Web Interface

This section describes how to login to the SmartNode Branch eXchange (SNBX) Web Portal.

The first step involved in initially configuring any 3CX-based system involves logging on to the Web Portal. This can be divided into two distinct tasks: Connecting to the SNBX via IP (Refer to **4.0 "Installing the SNBX via a Remote Host"** on page 4), and log on to the Web Portal.

6.1 Connecting to the web server

Using a web browser, connect to the Web Portal by typing the following in your browser address bar:

– http://[DEVICE HOST NAME]:5000

   or, alternately,

– http://[DEVICE IP ADDRESS]:5000

Note The default IP address of the SNBX is 192.168.200.10/24.

6.2 Logging on to the Web Portal

In order to log on to the Web Portal/3CX Management, enter the default user ID and password:

– User ID: *admin*

– Default password: *admin*

7.0 Additional Information

Refer to the following document for detailed information about installing, configuring, and operating the SNBX models, along with warranty, trademark, and compliance information.

- *3CX Systems Manual:* **www.3cx.com/manual/3CXPhoneSystemManual11.pdf**

    Note Contact Patton Tech Support below for questions or concerns installing, configuring, or troubleshooting the Patton SmartNode Branch eXchange device.

A.0 Customer and Technical Support

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)

B.0 Compliance Information

B.1 Compliance

EMC Directive:
- FCC Part 15, Class B
- EN55022, Class B
- EN55024

Low-Voltage Directive (Safety):
- IEC/EN60950-1 2nd Edition

B.2 CE Declaration of Conformity

Patton Electronics, Inc declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 2004/108/EC relating to electromagnetic compatibility, Directive 2006/95/EC relating to electrical equipment designed for use within certain voltage limits and Directive 2011/65/EU relating to RoHS compliance. The Declaration of Conformity may be obtained from Patton Electronics, Inc at 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.

B.3 Authorized European Representative

D R M Green, European Compliance Services Limited.
Greyfriars Court, Paradise Square, Oxford, OX1 1BE, UK

B.4 FCC Part 15

This device 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 device has 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 device 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).

Trademarks statement
The term *SmartNode* is a trademark of Patton Electronics Company. All other trademarks presented in this document are the property of their respective owners.

Warranty
For warranty information, please contact **Tech Support**.

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