



ip.buffer Safety Warnings and Compliance Statements

Safety Warnings

Rechargeable AA Battery Backup (optional) Warning

- The ip.buffer can have 3 type AA batteries fitted. Use only AA sized rechargeable Ni-MH batteries with a capacity of at least 2000mAh and which are suitable for trickle charging.
- Batteries should all be of the same capacity, manufacturer, and type.
- Do not burn or puncture the batteries. The cells may explode.
- Check with local requirements for possible special disposal instructions.
- When replacing batteries, all batteries should be replaced at the same time.
- Remove the batteries from the product if the product will not be used for some time (several months or more).
- **NEVER USE NON-RECHARGABLE BATTERIES.**

DANGER: RISK OF EXPLOSION IF BATTERIES OF INCORRECT TYPE ARE FITTED.

Rechargeable AA Battery Installation

The battery compartment for the ip.1, which has a plastic case, is accessible beneath the cover in the lid. Undo the retaining screw and insert the batteries over the ribbon, observing polarity. The ribbon will help in the battery removal.

The ip.4 has a metal case. The case has to be opened by removing the two screws on either side and then sliding the case top off. Inside, the battery compartment lid is fixed by one screw. Observe polarity when inserting the batteries. Take care not to damage or touch the rest of the circuit board.

Lithium Battery Warning

A lithium battery on the ip.buffer provides backup power for the time keeping capability. The battery has an estimated life expectancy of ten years.

When the battery starts to weaken and the ip.buffer is not powered, the date and time may be incorrect. If the battery fails, the ip.buffer must be sent back to your supplier for battery replacement.

WARNING: THERE IS DANGER OF EXPLOSION IF THE BATTERY IS INCORRECTLY REPLACED.

Ethernet Ports Warning

The Ethernet and SEbus ports are not designed to be connected to a Public Telecommunication network.

Power Supply Warning

This product is shipped with a suitable Limited Power Source (LPS) compliant with IEC60950/EN60950.

USE OF A DC POWER SUPPLY OTHER THAN THE ONE SUPPLIED WITH THE ip.buffer MAY VOID THE WARRANTY AND APPROVALS, AND MAY DAMAGE THE UNIT

General Warnings

- Avoid contact with the ip.buffer or ancillary equipment during an electrical storm; there is a risk of electrical shock.
- Do not use the equipment in the vicinity of a gas leak.
- Avoid contact with liquids and do not use if suspected damp.
- Apart from batteries (optional), no user serviceable parts inside.
- Use indoors only.

POTS/PSTN Modem (if fitted)

- Never install phone wiring during a lightning storm.
- Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.
- Never touch uninsulated phone wires or terminals unless the phone line has been disconnected at the network interface.
- Use caution when installing or modifying phone lines.
- To reduce risk of fire, use only 26AWG or larger telephone line cord.

POTS/PSTN Modem Repair Information

Only an authorised repair Facility is allowed to service the modem. Please contact your supplier or Scannex for details of how to have repairs made

Cellular Modem Warning (if fitted)

If this product is fitted with a Cellular Module (RF) transmitter the following operating conditions and restrictions must be observed at all times.

Be sure the use of this product is allowed in the country and in the environment required. The use of this product may be dangerous and has to be avoided in the following areas:

- Where it can interfere with other electronic devices particularly in environments such as hospitals, airports, aircrafts, etc.
- Where there is risk of explosion such as gasoline stations, oil refineries, etc

It is responsibility of the user to enforce the country regulation and the specific environment regulations.

This transmitter must not be collocated or operated in conjunction with any other antenna or transmitter.

Cellular Modem Exposure Warning

Failure to meet these requirements may mean the maximum permissible exposure (MPE) limit is exceeded!

Where the General public or user can be as close as 20cm the Antenna Gain should not exceed 3dBi

Where the General public or user can be as close as 2 meters (79 inches) the Antenna Gain should not exceed 9.5dBi. Note for Occupational use, ie short time proximity, 20cm distance is allowed with this gain.

*dBi = antenna gain in dB relative to an isotropic radiator

Max antenna gain SAR calculation (20cm Minimum User Distance)

- General Public use is 3dBi
- Occupational use is 9.5dBi

Cellular Modem Repair Information

Only an authorised repair Facility is allowed to service the modem. Please contact your supplier or Scannex for details of how to have repairs made.

Compliance Statements

European Union

The ip.buffer fulfils the requirements of relevant European product directives and standards and is CE marked accordingly.

Network Compatibility Declaration (Only applicable to ip.buffers containing a POTS/PSTN modem)

This equipment is designed to work satisfactorily on all European Union telecoms networks.

'End of Life' Disposal Instructions (WEEE)

For disposal instructions see <https://www.scannex.co.uk/weee>

USA

FCC Rules Part 15 - Computing Devices

Note: 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 Part 68 (Only applicable to ip.buffers containing a POTS/PSTN modem)

The ip.buffers have an optional internal POTS/PSTN modem. This modem has been registered with the Federal Communications Commission (FCC) and meets FCC part 68 requirements and may be connected directly to your telephone line. On the bottom of this equipment is a label that contains, among other information, the FCC registration number and Ringer Equivalence Number (REN) for this equipment (0.0). If requested, this information must be provided to the telephone company. Use the REN to help determine the maximum number of devices you can connect to your telephone line

without eliminating their ability to ring when your number is called. In many areas, the sum of the RENs of all devices connected to one line should not exceed 5.0. To determine how many devices you can connect to your line, contact your local telephone company to find out the maximum REN for your area. The ip.buffer may not be connected to a party line or coin line telephone network. If the ip.buffer does not function properly, disconnect the unit. If the ip.buffer causes harm to the network, the telephone company may discontinue your service temporarily. If possible, they will notify you in advance. But if advance notice is not practical, the telephone company will notify you 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 the telephone network. Should these changes affect the ip.buffer, the telephone company must notify you, in writing, to enable you to maintain uninterrupted service.

An FCC-compliant telephone cord and modular plug is provided with this equipment. This equipment is designed to be connected to the telephone network or premises wiring using a compatible modular jack which is Part 68 Compliant.

This equipment uses the following USOC jacks: RJ-11C.

The telco needs to be connected with a minimum 26AWG telephone cable.

Canada Statement

Industry Canada Information (Only applicable to ip.buffers containing a V92 TM telecoms modem)

Notice: The Industry Canada label identifies certified equipment. This certification means that the equipment meets telecommunication network protective, operation and safety requirements as prescribed in the appropriate Terminal Equipment Technical Requirements document(s).

The Department does not guarantee the equipment will operate to the user's satisfaction.

Before installing this equipment, users should ensure that it is permissible to be connected to the facilities of the local telecommunications company. The equipment must also be installed using an acceptable method of connection. The customer should be aware that compliance with the above conditions may not prevent degradation of service in some situations.

Repairs to certified equipment should be coordinated by a representative designated by the supplier. Any repairs or alterations made by the user to this equipment, or equipment malfunctions, may give the telecommunications company cause to request the user to disconnect the equipment.

Users should ensure for their own protection that the electrical ground connections of the power utility, telephone lines and internal metallic water pipe system, if present, are connected together. This precaution may be particularly important in rural areas.

Caution: Users should not attempt to make such connections themselves, but should contact the appropriate electric inspection authority, or electrician, as appropriate.

Notice: The Ringer Equivalence 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 of an interface may consist of any combination of devices subject only to the

requirement that the sum of the Ringer Equivalence Numbers of all devices does not exceed 5. The Ringer Equivalence Number (REN) for this equipment (0.0).

Industry Canada Regulatory Compliance Information for Class B Equipment

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

AVIS: Cet appareil numérique respecte les limites de bruits radioélectriques applicables aux appareils numériques de classe B prescrites dans la norme sur le matériel brouilleur:

“Appareils Numériques”, NMB-003 édictée par l’Industrie Canada.

L’étiquette d’Industrie Canada identifie le matériel homologué. Cette étiquette certifie que le matériel est conforme aux normes de protection, d’exploitation et de sécurité des

réseaux de télécommunications, comme le prescrivent les documents concernant les exigences techniques relatives au matériel terminal. Le Ministère n’assure toutefois pas que le matériel fonctionnera à la satisfaction de l’utilisateur.

Avant d’installer ce matériel, l’utilisateur doit s’assurer qu’il est permis de le raccorder aux installations de l’entreprise locale de télécommunication. Le matériel doit également être installé en suivant une méthode acceptée de raccordement.

L’abonné ne doit pas oublier qu’il est possible que la conformité aux conditions énoncées ci-dessus n’empêche pas la dégradation du service dans certaines situations. Les réparations de matériel homologué doivent être coordonnées par un représentant désigné par le fournisseur. L’entreprise de télécommunications peut demander à l’utilisateur de débrancher un appareil à la suite de réparations ou de modifications effectuées par l’utilisateur ou à cause de mauvais fonctionnement.

Australia and New Zealand

This device has been tested and found to comply with the limits for a Class B digital device, pursuant to the Australian/New Zealand standard AS/NZS 3548 set out by the Australian Communications Authority and Radio Spectrum Management Agency.

South Africa

The ip.buffer must be used in conjunction with an approved surge protection device.

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