

This document supplements the *Conettix D6600/D6100IPv6 Installation and Operation Guide* (P/N: 4998122704-08).

1.0 Network Ethernet Module

In the *D6600/D6100IPv6 Installation and Operation Guide* (4998122704-08), all references to **Network Ethernet Module** are the **ITS-D6686-UL** and its associated documentation (the *Conettix D6686 Ethernet Network Adapter Installation Guide* [F01U269888-01]).

2.0 Additional Printer Specification

In *Section 6.0 Printer Specifications* of the *D6600/D6100IPv6i Installation and Operation Guide* (4998122704-08), include the following specification:

- The printer must be installed in the same room as the D6600/D6100IPv6.

3.0 Installation

3.1 All Installations

In *Section 7.0 Installation* of the *D6600/D6100IPv6 Installation and Operation Guide* (4998122704-08), include the following installation requirements and notes:

- Install the D6600/D6100IPv6 Communications Receiver/Gateway according to the National Electrical Code (NFPA 70), the National Fire Alarm Code (NFPA 72), and the local Authority Having Jurisdiction (AHJ).



UL Standard 827 requires that any central station listed for NFPA 72, Central Station Protective Signaling, UL Central Station Burglary or Police Station Connect Service must have a redundant receiver on the premises to use if the primary receiver malfunctions.



The D6640 Telephone Line Card is not intended for new installations, but is suitable for existing or retrofit sites.



Equipment between Ethernet Interface Modules and the D6600/D6100IPv6 must be UL Listed Information Technology Equipment (ITE).



A “COMM FAIL” message might indicate a compromise attempt.



To meet requirement UL 1610, Section 63.1: The number of separate signals on a single channel is limited to 1000. Exception: There is no limit to the number of signals if the central-station equipment is completely duplicated by standby equipment and a switchover can be accomplished in not more than 90 sec without loss of signals during this period.



The D6100IPv6 was tested by UL at 120VAC, 60 Hz.



Network Communication - The D6600/D6100IPv6 receiver was evaluated for communication over Third Party Data Networks for the following services when used with a compatible control unit:

- Standard Line Security for Central Station Burglar Alarm Systems according to UL 1610 and UL 365
- Phone lines have not been evaluated for line security
- In order to implement the Standard or Encrypted Line Security over the private or public IP networks, the AES Library must be version TBD. The AES Library was evaluated for 128-bit, 192-bit, and 256-bit encryption.
- Supervision signals between premises alarm equipment and supervising station alarm receiver equipment shall be managed by the supervising station receiving equipment and not an intermediary network agent, device or service.
- To meet UL Standard 827, you must be able to switch from one receiver to a standby receiver within 30 sec, and then repair the faulty receiver and return it to service within 30 min.
- NFPA 72 requires that if more than eight telephone lines are used, the receiving equipment must be completely duplicated so that switchover from non-functioning to functioning equipment can occur within 30 sec (per NFPA 72-2002 8.5.3.2.2.1 Paragraph C).

You must program the parameters described in *Table 1*:

Table 1: Parameters to Set		
Programming Item	Parameter to Set	Location in Operation & Inst. Manual
2.2.21 Buzzer	Set to 1 to sound on all events. May be set to 3 when used with an automation system to sound only when the automation link fails.	<i>Section 10.1.6</i>
2.2.33 External Parallel Printer	Set to 1 to print all events. May be set to 3 when used with an automation system.	<i>Section 10.1.7</i>
2.2.34 Battery Supervision	Set to 1 to activate.	<i>Section 8.0</i>
3.1.2.1 Phone Supervision	Set to 1 to enable.	<i>Section 4.1.3</i>

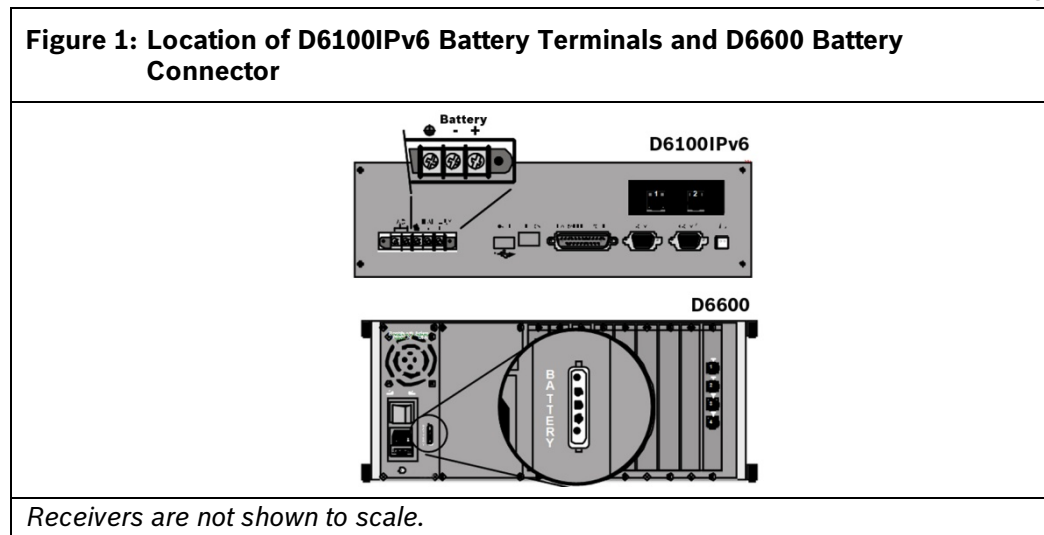
3.2 Burglar Alarm Applications



For commercial fire and burglary, proprietary and central station applications that use BIS, the BIS application must be installed on the Listed Bosch model B-010 computer with Bosch model B-008 monitor and SC9002 printer connected.

Install the D6600/D6100IPv6 according to UL Standard 827 for Central Station Burglar Alarm Systems. Use the D6600/D6100IPv6 in a central station that has backup AC power (according to UL 827) to supervise certificated accounts.

Terminals for connection of external batteries are on the rear of the receiver (*Figure 1* on page 3).



3.3 Fire Alarm Applications

The D6600/D6100IPv6 can be used for Central Station Protective Signaling when it is installed and used in compliance with NFPA 72 and ANSI/NFPA 70. Installation limits for digital alarm communicator receivers (DACR) are under the local AHJ.

3.4 Rack Mount Instructions



Maintain a 6.5 mm (0.25 in.) gap, or greater, between power limited and non-power limited circuit wiring.

The D6600 and D6100IPv6 must be installed in a rack.

The D6100IPv6 installation must consist of the following:

- D6100IPv6 Communication Gateway Receiver
- D6100RMK Rack Mount Kit
- GlobTek, Inc. Model DA-42-18L Transformer

Plug the D6600 AC cord or the D6100IPv6 AC transformer into an outlet inside the rack only if the outlet is wired according to Article 760 of the NEC. Rack mounting is required (according to NFPA 72-2002 4.4.1.4.2.1) to meet the mechanical protection requirement when using the type of AC cord provided with the D6600. A UL Listed rack is required for fire protective service.

4.0 Standby Power

4.1 Connecting External Batteries

Use only approved standby batteries. Battery wiring must run from the receiver through the UL Listed rack, exit from the rack through a conduit connection, and terminate at a UL Listed battery enclosure suitable for the size and number of batteries used.

4.2 Uninterruptible Power Supply (UPS) Requirements

A UL1481 Listed UPS for Commercial Fire Use is required when using the D6600.

When using a UPS with the D6100IPv6, a UL1481 Listed UPS for Commercial Fire Use is required.

5.0 Input and Output Ports

5.1 UPS Monitoring through CPU Programmable Input Ports

Wiring must run from the receiver through the UL Listed rack, exit from the rack through a conduit connection, and terminate at the external UPS for UL applications.

6.0 Specifications

In *Section 16.0 Specifications of the D6600/D6100IPv6 Installation and Operation Guide (4998122704-08)*, include the following specification:

D6100IPv6 Power Input	AC Nominal Operating Range	Use the GlobTek, Inc. Model DA-42-18L transformer. Input voltage: 120VAC 60Hz 0.44 A maximum
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