



**Netbell-KL-E1-C  
Network All in  
One Extra Loud  
Break Bell Clock  
System**



# LINORTEK Netbell-KL-E1-C Network All in One Extra Loud Break Bell Clock System Instructions

[Home](#) » [LINORTEK](#) » LINORTEK Netbell-KL-E1-C Network All in One Extra Loud Break Bell Clock System Instructions 

## Contents

- [1 LINORTEK Netbell-KL-E1-C Network All in One Extra Loud Break Bell Clock System](#)
- [2 Product Specifications](#)
- [3 Product Usage Instructions](#)
- [4 FAQ](#)
- [5 Packing List](#)
- [6 Safety Instructions](#)
- [7 Wiring Instructions](#)
- [8 Documents / Resources](#)
  - [8.1 References](#)
- [9 Related Posts](#)



**LINORTEK Netbell-KL-E1-C Network All in One Extra Loud Break Bell Clock System**



## Product Specifications

- **Model:** Netbell-KL-E1-C
- **Power Supply:** 24VAC
- **Network Compatibility:** 1000Mbps (Gigabit)
- **Additional Features:** Extra Loud Bell Kit, Digital Clock

## Product Usage Instructions

### Safety Instructions

Ensure proper handling and installation of the product to prevent accidents or damage.

### Wiring Instructions

1. Attach mounting brackets to the SERVER using provided self-tapping screws.
2. Install the SERVER securely at the desired location using the appropriate screws for the wall type.
3. Connect the power cable to the 24VAC power supply AC terminals and plug it into a suitable AC outlet.
4. Connect the RJ45 cable to the NET connector and the other end to a Gigabit port on a router or network switch.
5. If using a push switch for manual bell ringing, connect it to the digital input labeled DIN 1.
6. Mount the digital clock within 3 meters of the Netbell-KL SERVER, and plug it into the CLK connector.

### Netball Setting Instructions

Refer to the provided Netbell Setting Instructions for accessing the Netbell Server and adding bell ringing schedules.

## FAQ

**Q: What should I do if I cannot connect to the Netbell-K server?**

**A:** Check with your IT department to ensure that the Ethernet switch you are connecting to supports 1000Mbps (Gigabit) for proper functionality.

## Packing List

### Netbell-KL-E1-C Packing List

- Netbell-KL-C Server (01-910-00066) (1)
- Extra Loud Bell Kit (01-910-00041) (1)
- Bell Cable (01-850-00046)(1)
- 20FT RJ45 Cable (01-390-00028) (1)
- 3M Power Cable (01-850-00029) (1)
- 24VAC Power Supply (01-850-00024) (1)
- Set of Mounting Brackets (1)
- Digital Clock (01-880-00028) (1)
- Netbell Setting Instruction
- Packing List and Wiring Instruction

## Safety Instructions

- If the device is not powered via an Ethernet cable, use only the power adapter provided by Linortek that comes with your order. Other power supplies may damage or destroy the device, affect its behavior, or induce noise.
- Avoid placing the cables where people may trip over them or where they may be exposed to mechanical pressure as this may damage them.
- Do NOT install the device in rooms with high humidity. Do NOT immerse the device in water and do NOT spill or pour liquids of any kind onto or into the device.
- Do NOT install the device in surroundings at risk for explosions. Do NOT use the device if you smell gas or other potentially explosive fumes.
- Do NOT use the device during thunderstorms. Lightning striking the power grid may cause electric shocks.
- Do NOT remove the device's power supply (Ethernet cable when using PoE, power adapter when not using PoE) when the RED LED is blinking and the GREEN LED is on (called Bootload state); a firmware update is ongoing.
- Cutting off the device's power during a firmware update (red LED blinking, green LED on) will damage the firmware and render the SERVER inoperative. In such cases, it will need to be returned to the factory for resetting.

## Product Manuals & Resources

- To access the complete product manual, wiring instructions, and tutorial videos regarding the product setup and configuration, please visit <https://bit.ly/01-910-00087> and click the Manuals & Resources tab.
- Alternatively, scan the QR code with your smartphone to access the documentation.

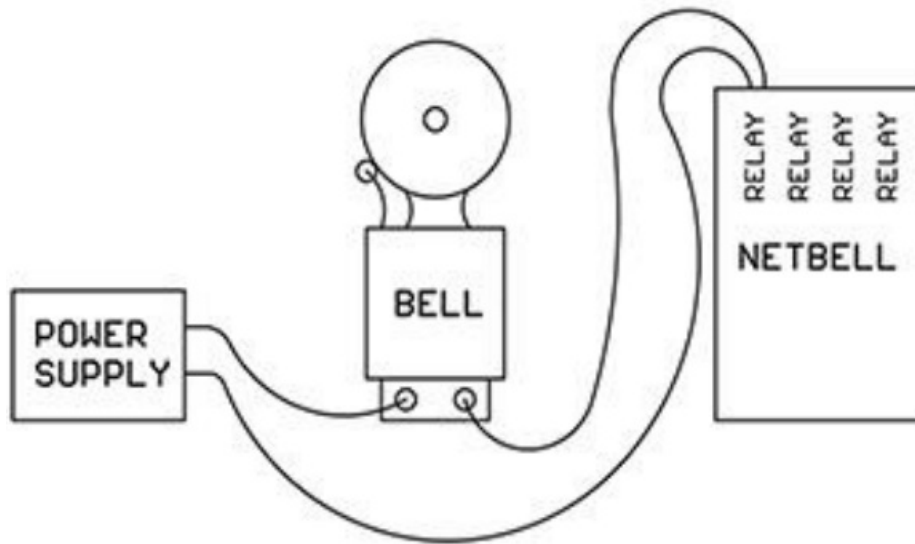


## Wiring Instructions



1. Attach the mounting brackets to the SERVER using the provided self-tapping screws (4 places). Install the SERVER at the desired location with the appropriate screws, depending on your wall type.
2. Power supply wiring: Wire one side of the power cable to the 24VAC power supply AC terminals (use both AC terminals). Plug the power supply into a suitable AC outlet, and plug the CP connector into the Server at the location labeled POWER.
3. Plug the RJ45 cable into the NET connector, and connect the other side of the RJ45 cable to the router or a network switch.
  - **Please NOTE:** the Netbell-K board will work only on 1000Mbps (Gigabit) port/switch, it will not work on 10/100Mbps.
  - If you are unable to connect to the Netbell-K server, please check with your IT department to make sure the Ethernet switch you are connecting to is 1000Mbps (Gigabit).
4. Push switch (available to purchase separately) wiring: Plug the push switch into the digital input labeled DIN 1 if you want to ring the bell manually for emergencies.
5. The digital clock comes with a 3-meter cable. Mount the two screws (provided with the clock) on the wall where you want to install the clock (up to 3 meters away from the Netbell-KL SERVER max), hang the clock on the screws, then plug the digital clock into the connector labeled "CLK".
6. External bell wiring: The external bell outputs are set up as DRY contacts on the Netbell-KL. when you wire the external bell to the SERVER, a power supply for the external bell will be needed when connecting it to the SERVER.

## External Bell Wiring Diagram



- Mount the pre-wired bell kit at the location as desired.
- You can extend the bell cable if needed, a maximum of 250 feet with 18AWG cable and 500 feet with 16AWG.
- Wire one side of the power cable to one side of the power supply AC terminal; the other side of the power cable connects with one side of the bell cable.
- Wire the other side of the bell cable to the power supply 2nd AC terminal.
- Connect the bell cable connector to the External Bell Output of the Server labeled as EXT.
- Plug the bell power supply into a suitable AC outlet.
- Please note when you add a schedule on the Netball Bells page, the external bell uses Bell 3 on the software.

### **Clock Activation**

- To activate the clock, login to the webpage, go to Settings – Settings page, enter Clock in the UART Usage box, then click SAVE.

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