Packing Lists and Wiring Instructions
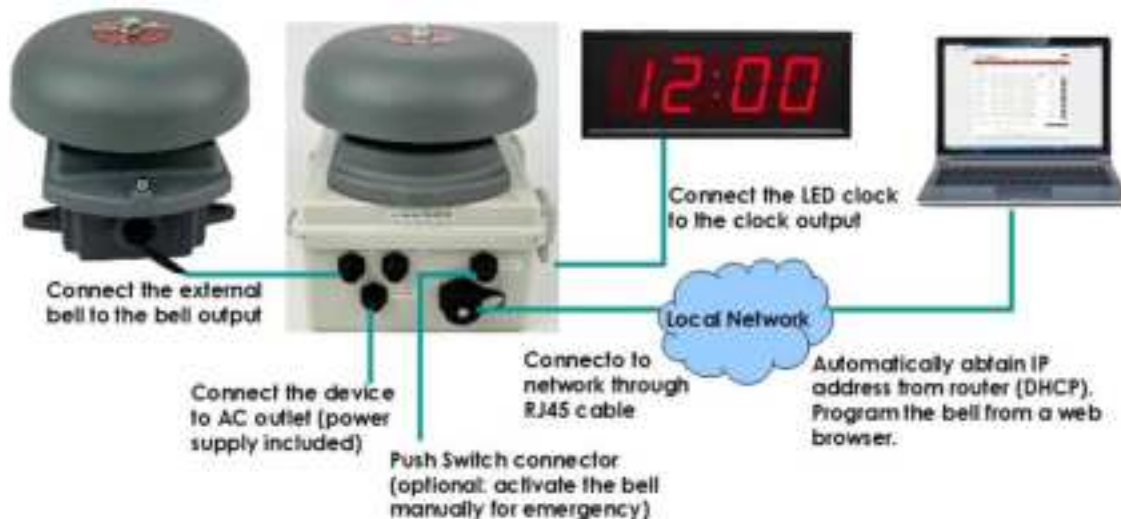
1. Netbell-KL-E2M-C Packing Lists

_____ Netbell-KL-M2 Server (1)

_____ Extra Loud Bell Kit (01-910-00041)(2)

_____ Bell Cable (01-850-00046)(2)

_____ Digital Clock (01-880-00028) (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)

_____ Netbell Setting Instructions

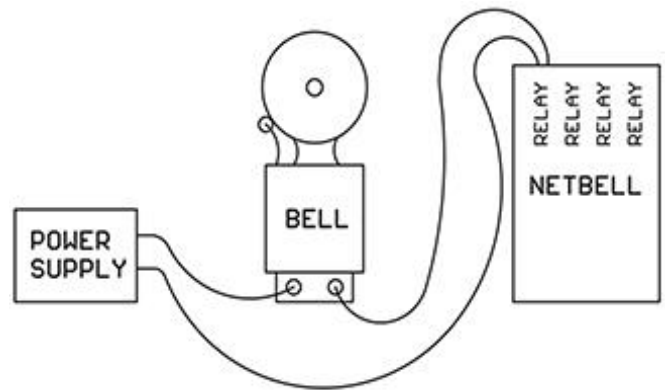_____ Packing List and Wiring Instructions

⚠️ **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 factory for resetting.

2. Wiring Instructions

Connect the external bell to the bell output

Connect the device to AC outlet (power supply included)

Push Switch connector (optional: activate the bell manually for emergency)

Connect to network through RJ45 cable

Connect the LED clock to the clock output

Local Network

Automatically obtain IP address from router (DHCP). Program the bell from a web browser.

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) 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-M2 max), hang the clock on the screws, then plug the digital clock into the connector labelled "**CLK**".

3) Power supply wiring: Wire one side the power cable to the 24VAC power supply AC terminals (use both terminals). Plug the power supply to a suitable AC outlet, plug the CP connector into Server at the location labelled **POWER**.

4) Plug RJ45 cable into the **NET** connector, 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).

5) Push switch (available to purchase separately) wiring: Plug the push switch to the digital input labelled DIN 1 if you want to ring the bell manually for emergency.

6) **External bell wiring:** The external bell outputs are setup 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 connect it to the SERVER.

- Mount the pre-wired bell kit at the location as desired.
- You can extend the bell cable if needed, 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 External Bell Output of the Server labeled as EXT.
- Plug the bell power supply to a suitable AC outlet. Please note when you add schedule on the Netbell Bells page, the external bells use **Bell 2, 3** on the software.

External Bell Wiring Diagram

3. Clock Activation

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

For instructions of accessing the Netbell Server and adding schedules to ring the bell, please follow the **Netbell Setting Instructions**.

Video tutorials: Netbell software configuration video: https://youtu.be/DURMAojcAnU?si=hJx1iR4KK3Hy28LQ, or scan the QR code from your phone: