Netbell-NTG External Trigger for Emergency

LINORTEK Netbell-NTG External Trigger for Emergency User Manual

Contents

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Product Specifications

- Product Name: Netbell-NTG
- Controller Type: Network-based Tone Generator
- Relays: 8 relays available for triggering audio tones
- Network Connectivity: Ethernet
- Compatibility: Compatible with Koda 100 controllers

Product Usage Instructions

Using an External Trigger for Emergency on Netbell-NTG

1. Assigning Audio Tone to Relays:
   - Assign the audio tone to any relays (1-8).
   - Click the SAVE button to save the settings.
2. Setting up External Trigger:
   - Connect the remote push button to activate the emergency sound on the Netbell-NTG controller.
   - Ensure the speaker is connected to play the assigned sound.
3. Network Configuration:
   - Set static IP addresses for both Master and Slave units.
   - Link the Netbell-NTG controller (Slave) to each Koda 100 controller (Master) using their IP addresses.
4. Activating Emergency Sound:
   - When the remote push button is triggered, the Netbell-NTG controller will ring the emergency sound.
   - If multiple remote switches are used, repeat the connection process for each Koda 100 controller.

FAQs

How can I activate the emergency sound remotely?

To activate the emergency sound remotely, connect a remote push button to trigger the emergency sound on the

Netbell-NTG controller.

Do I need additional controllers to trigger emergency sounds?

If you only require local activation of emergency sounds, additional controllers are not necessary. However, for remote activation, additional Ethernet I/O controllers may be needed. For instructional videos, FAQs, and technical support, visit: **Linor Technology Support**

Contact Support Team: **support@linortek.com** Information is subject to change without notice. Visit **www.linortek.com** for updates.

PRODUCT INFORMATION

Using an External Trigger for Emergency on Netbell-NTG

You may program your Netbell-NTG to play a tone from an external trigger such as a push button or door contact switch connected to one of the digital inputs. In this instruction, we will use a push button for demonstration.

Note: Unless your trigger device supplies its own power, ensure your input switch is set to the Pull UP (PU) position. To set the digital input switch to PU position, you need to open the lid of the Netbell-NTG controller, local the switches, make sure the switch you are connecting the push button to is pushed to the PU position.

OVERVIEW
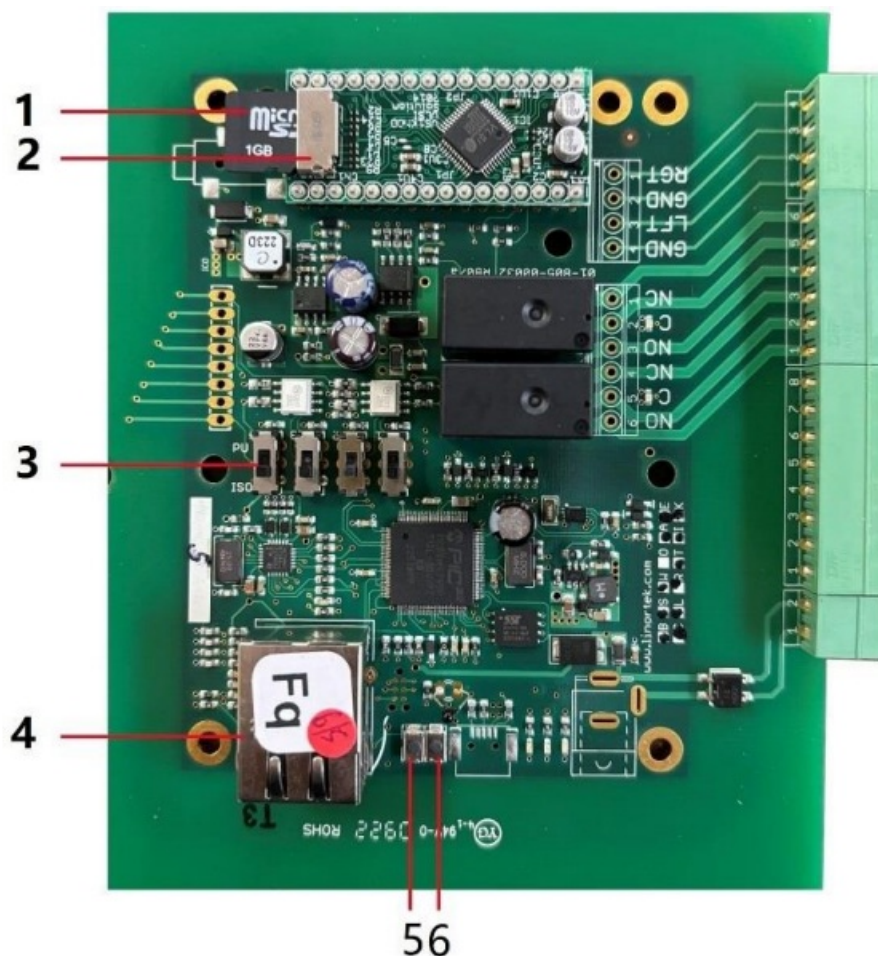
1. Micro SD card slot
2. Audio Module

3. Digital input switches (the order is 4, 3, 2, 1 from left to right)

4. RJ45 Connector

5. Reset Button

6. Reload Button (turns on blue LED – identified on Discoverer)

There are 4 digital inputs on the Netbell-NTG PA system controller, allowing you to connect up to 4 push buttons to activate emergency sounds manually – one for each emergency code. We call these local push buttons. If wiring is not an option or you want to install push buttons at different locations in your facility, you can use our Ethernet I/O controller to connect additional push buttons to trigger emergency messages over the network. The emergency push buttons can be installed anywhere in your facility where a network connection is available, so anyone nearby can push the buttons to activate emergency messages/tones when an emergency event is spotted. We call these remote push buttons.

USING INSTRUCTION

Configuring a Local Push Button to Activate a Sound

This configuration is used for a push button connected to the Netbell-NTG directly.

Assigning audio tone to relay

As we use a relay to trigger a tone on the Netbell-NTG controller, the relay is just a tool for this purpose and not function as a physical switch in this case. You can assign the audio tone to any relays (1-8).

- Navigate to the Tasks page of the Netbell-NTG
- Click the Edit icon of a schedule you want to use
- Enter a name (if desired) in the Schedule Name field
- Check the Use box
- Set Device A to RELAY
- Set Data A to 03+ (Assign this tone to Relay 3)
- Set Device C to SEND UART
- Set Data C to PEVACUATWOGG (This must be an 8-character name preceded by P and followed by OGG. This must be capitalized)
- Set Action to ON

Click SAVE

Configuring the digital input

Note: The following guide will assume you are using Digital input 1 to trigger relay 3 (as we assigned the emergency tone to relay 3 in the previous step). Navigate to the Services dropdown menu and select Inputs. The top 4 items are your digital inputs. They are marked DIN 1 – DIN 4. Click on the pencil icon under DIN 1 and enter the following settings.

- Name: -You can set a 15-character name for this input. This name goes in the bar at the top of the display.
- USE: – Sets this input to active. When this box is checked, it will turn the input number indicator to green.
- Type: Select State, this is for knowing if an input is on or off.
- Display: – This selection lets you change the display type used.
- Relay L/T: Enter 3L, which means this input is linked to Relay 3.
- Command Z/N/I: Enter N, which means Normal Input.

At this point, when you push the button, your speaker will play that sound. If you don't purchase additional Ethernet I/O controllers to activate the emergency sound remotely, you don't need to do anything further.

2. Configuring a Remote Push Button to Activate a Sound Over the Network (Master-Slave Method)

If you purchase additional Ethernet I/O controllers to activate a sound in the Netbell-NTG over the network, please follow the instructions below to link the controllers together through IP addresses so you can activate an emergency sound remotely. We will use the **Koda 100** as an example here

1. Assigning audio tone to a relay: Please refer to the local push button setting.

2. Wiring the push switch to the Koda 100 digital input

There are two digital inputs on the Koda 100 controller, they are marked as IN1 (input 1), and IN2 (input 2) on the enclosure, you can connect the push switch to either of the inputs to trigger the alarm on/off. There are two modes of operation for the digital inputs: ISOLATED (ISO) and PULL UP (PU), it's set to ISO mode by default. To use the push button with the digital input, move the digital input switch to PU mode. To change the digital input switch to PU mode, open the enclosure of the Koda 100, find the switches marked as IN1 IN2, and move the switch to the DOWN position for PU mode depending on which input you connect the push button.

Digital Input Switches
IN 1 on left
UP position: ISO
Down position: PU
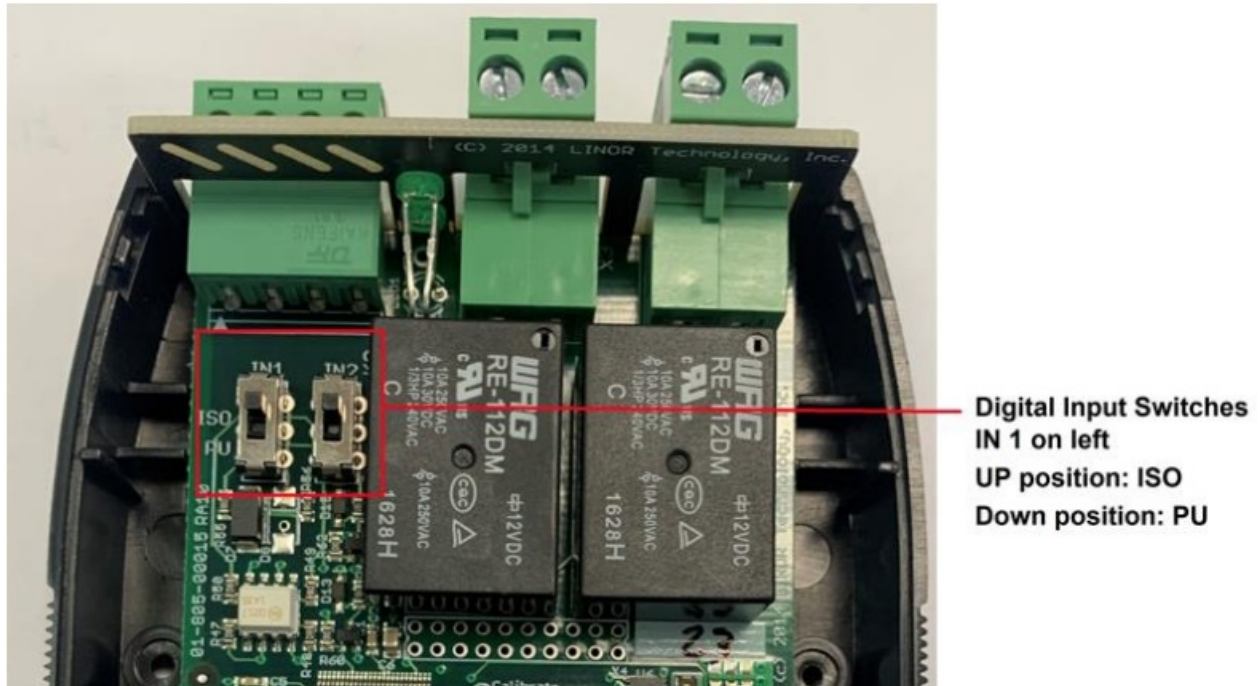
Network configuration

Each device uses SERVER as the default name, when you have multiple devices on the same network, you can change the device name for easy management. To change the name, go to Configure – Network Config page, it's the same page for network configuration below. To use the Master-Slave feature, we encourage you NOT to use DHCP on your controllers, use a static IP or a specific IP address if your network allows. So that in the event of power outage, you will not need to reset IP addresses. To use static IP and change the name for your device, go to Configure – Network Config page, this page allows the configuration of the SERVER's network settings. CAUTION: Incorrect settings may cause the board to lose network connectivity. If the devices are on a different network, in order to access a device remotely you must PORT the device. This tells your router that information coming in should be sent to a specific device on your network. You will need to set a static IP address for both your Master and Slave units.

- MAC Address – This is a unique MAC address that is assigned to this product at the time of assembly. It cannot be altered.

- Host Name – This is a Netbios name at which this unit may be addressed in some networks. It may also appear in your router's lease directory. It makes a useful place to name your SERVER and appears on the Home page and on the Discoverer.

- Port Number – This becomes part of the IP address and is necessary for Internet access. If this is not set, the SERVER defaults to a port number of 80.

- Enable DHCP: DHCP is enabled by default. When the device is first installed on the network, it will automatically obtain an IP address if your router is set up for this way. To use a static IP address, uncheck this box.

- IP Address – Typically you only change the last group of numbers. If you change this IP address, make sure to

reserve this IP on your router and no other devices are using this IP address or you may not be able to reach this SERVER. If this happens you may need to Restore Defaults using the push button method.

- Gateway – Typically a router on your TCP/IP network that serves as an access point to your ISP.
- Subnet Mask – A 32-bit number that masks an IP address, and divides the IP address into network address and host address. Just leave it at 255.255.255.0
- Primary DNS – A primary DNS.
- Secondary DNS – A secondary DNS.

- Once you set a static IP address for each controller, you need to link the Netbell-NTG controller (Slave controller) to each Koda 100 controller (Master controller) through the IP addresses.

Remote device setup (Link the Netball-NTG controller to the Koda 100 controller through the IP address)

- Login to the Koda 100 software
- Go to the Configure menu, then select Remote Device Config from the drop-down menu.
- On the Remote Device page, enter the Netbell-NTG device information, including Device Name, IP Address, Login User Name and Password.
- Click the Save Config button after finishing.

Remote Devices

These settings allow Fargo to remotely control another Fargo server. This is done by selecting the Remote Device in the Schedule program.

Remote Device Configuration Saved Successfully.

CAUTION: Incorrect settings will cause the board to lose its remote connections.

Enter the new settings for the board below:

No.	Device Name	IP Address	User name	Password
1	SLAVE	172.16.1.137	admin	•••••
2				
3				
4				
5				
6				
7				
8				

SAVE CONFIG   CANCEL

Activating the digital input on Koda 100

Login to the Koda 100 software. To set the push switch to trigger the relay, go to Services – In/Out page, click Input 1 (IN1) edit icon if you wire the switch to input 1, on the Set Digital Input page:

- Name: You can set a 15-character name for this input. This name goes in the bar at the top of the display.
- USE: Sets this input to active. When this box is checked, it will turn the input number indicator to green.
- Type: Select State, this is for knowing if an input is on or off.
- Display: This selection lets you change the display type used.
- Relay L/T: Enter 1T, which means this input is to trigger relay 1.
- Click SAVE button.

Set Digital Input

Digital Input Selected	1
Name	ALARM SWITCH
Label	
Corrector	

Two term corrector, use +,-,*,/ value, separate terms with space
For example: +8 /1.5

USE : ☑

Type	State ▾
Display	None ▾
Relay L/T	1T

R#+L: Relay linked to Input state, R#+T: Triggers relay

| Command L/Z/N/I | Norm |

L: Load counter, Z: Zero Counter, N: Input Normal mode, I: Invert input

Value	Min : 0	Max : 0
Yellow	From : 0	To : 0
Red	From : 0	To : 0
Green	From : 0	To : 0

SAVE **CANCEL**

Using Koda 100 relay 1 to trigger Netbell-NTG relay 3

Go to the Service – In/Out page, select Relay 1, and click the Edit icon, and you will be at the Set Relay page.

- Name: Give this relay a name (optional).
- Pulse Width: The relay on the Koda 100 is used to activate the sound on the Netbell-NTG controller, you can leave it by default.
- Pulse Width Multiplier: Leave it as default.
- Relay Type: Select Remote (if you connect a device such as a strobe light to the Koda 100 relay 1, you need to select Normal and Remote).
- Location ID: Enter the remote device's ID which we set on the Remote Device Setup page; the first column No. is the device ID (since we put the Netbell-NTG on line 1 in our Remote device setup step, so the device ID is 1 in our example).
- Relay at Location: From 1-8, depending on which relay you assigned the tone to on the slave controller (Since we assigned a tone to relay 3 in the previous step, so we put 3 here).
- Click the Save button.

Set Relay

This page allows the user to edit the settings for the individual relay selected on the previous page. Click "Save" to save changes made or click "Cancel" to return to the previous page. Leaving the page without clicking save will result in your changes being ignored by the Fargo server.

Relay Select	1
Name	Pushbutton
NO Name	
Com Name	
NC Name	
Pulse Width	5
Pulse Width Multiplier	Sec
Relay Type	Remote
Location ID	1
Relay at Location	3
Block Users	User1: ☐ User2: ☐ User3: ☐
Send Email	Yes: ☐

SAVE **CANCEL**

Now, we have connected the remote push button 1 to activate the emergency sound on the Netbell-NTG controller, when someone pushes the button, it will ring the emergency sound. If you have more remote switches, connect the Netbell-NTG controller to each Koda 100 controller exactly the same way.

For instructional videos, FAQ, and contact information for our technical support team, please visit:
https://www.linortek.com/downloads/

CONTACT SUPPORT TEAM

- If you need assistance setting your devices, please feel free to contact us:
- **support@linortek.com**
- **www.linortek.com**

Documents / Resources

LINORTEK Netbell-NTG External Trigger for Emergency [pdf] User Manual
Netbell-NTG External Trigger for Emergency, Netbell-NTG, External Trigger for Emergency, Trigger for Emergency, Emergency, Trigger

References

- **Linortek Remote IO, Audible & Visual Alarm Systems, and IoTMeter**

- **[Downloads/Resources](#)**
- **[User Manual](#)**