

COMMUNICATORS

# GT/GT+/GET universal TIP/RING connection to an intrusion alarm panel



Use this guide when an intrusion alarm panel reports events through its PSTN landline dialer. The GT/GT+/GET communicator connects to the panel TIP / RING terminals, automatically captures Contact ID events, and can optionally arm/disarm the system from Protegus2 through a panel keyswitch zone. Use this alongside the full communicator manual and the alarm panel programming manual.

**CAUTION**

Install and service only by qualified personnel. Disconnect power before wiring. Unauthorized changes void warranty.

## I. Prerequisites

- GT/GT+/GET firmware 1.31, SIM inserted, PIN disabled, data plan active

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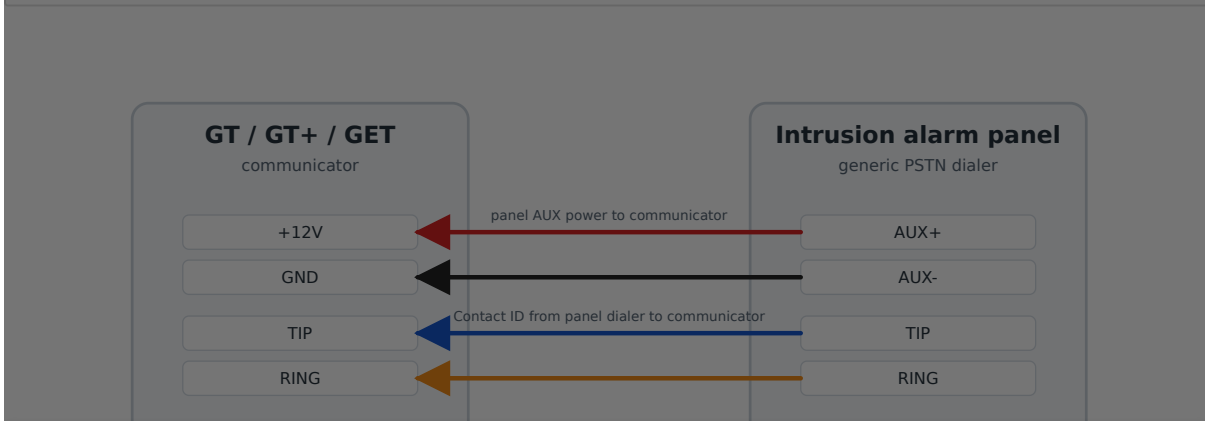
**NOTE**

If the panel previously reported through a landline dialer, keep the panel dialer enabled and connect the communicator to the panel TIP / RING terminals. The communicator answers the panel call and automatically captures the Contact ID events with any account ID sent by the panel. Change panel programming only when the panel is not already dialing, the dialer settings are not correct, the account ID must match an ARC/CMS requirement, or a keyswitch zone must be added for remote arm/disarm.

## 2. Wiring

Disconnect panel and communicator power before wiring. Connect the communicator to panel power, TIP / RING, and the keyswitch zone as shown below.

GT/GT+/GET terminal	Alarm panel terminal	Purpose
+12V / GND	AUX+ / AUX-	Power the communicator from the panel auxiliary output.
TIP / RING	TIP / RING	Capture Contact ID events from the panel telephone dialer.
OUT / I/O configured as PGM	Keyswitch zone input	Send arm/disarm commands from Protegus2.
GND / COM	Zone common, if required	Common reference for the keyswitch zone wiring.



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### WARNING

Wire the keyswitch zone exactly as required by the panel manual. Some panels use a normally open input, normally closed input, EOL resistor, double EOL resistor, or a dedicated common terminal.

## 3. Panel programming

Skip this section if the panel is already dialing through the landline dialer and remote arm/disarm is not needed. Panel programming codes are different for each manufacturer and model. Use the alarm panel programming manual only for the items that must be changed.

1. Enable the panel PSTN landline dialer.
2. Select tone / DTMF dialing.
3. Select the Contact ID reporting format.
4. Set the receiver telephone number. If the panel already reported to a monitoring station through a landline, the existing number can usually stay unchanged. For a new dial-capture setup, enter any receiver number longer than 4 digits unless the panel manual requires a different format.
5. If reporting to ARC/CMS is required, set the panel account ID to the value supplied by the monitoring station. The communicator can transmit the account ID sent by the panel, so no separate communicator Object ID is required for basic dial capture.
6. Enable the events that must be reported, including alarms, restores, troubles, tampers, and opening/closing events where required.
7. Program the zone connected to the communicator output as a keyswitch zone only when remote arm/disarm from Protegus2 is required.
8. Select the keyswitch type that matches the communicator output mode: momentary / pulse or maintained / level.

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## 4. Add system to Protegus2

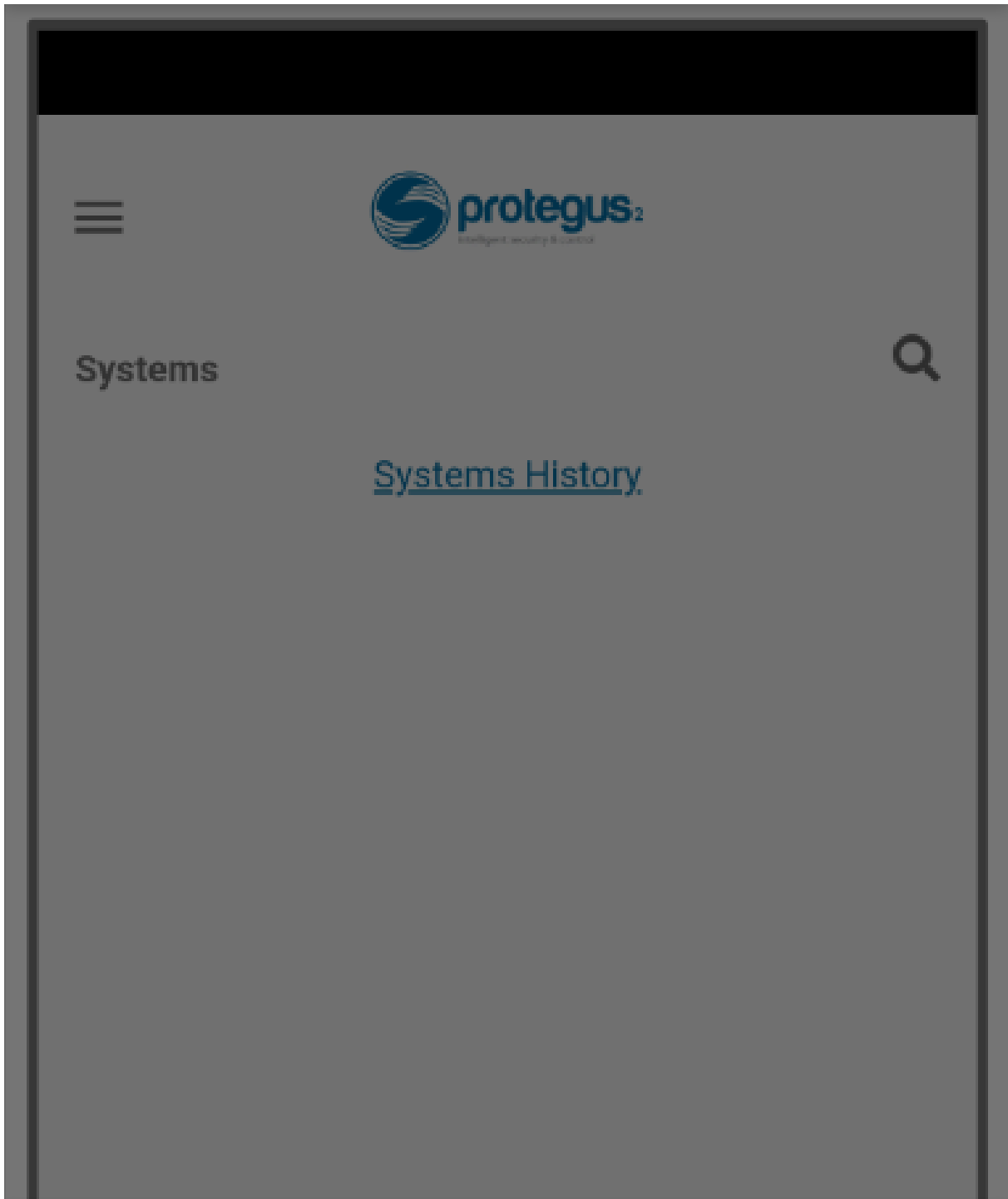
**Step 1.** Tap **Add new system**.

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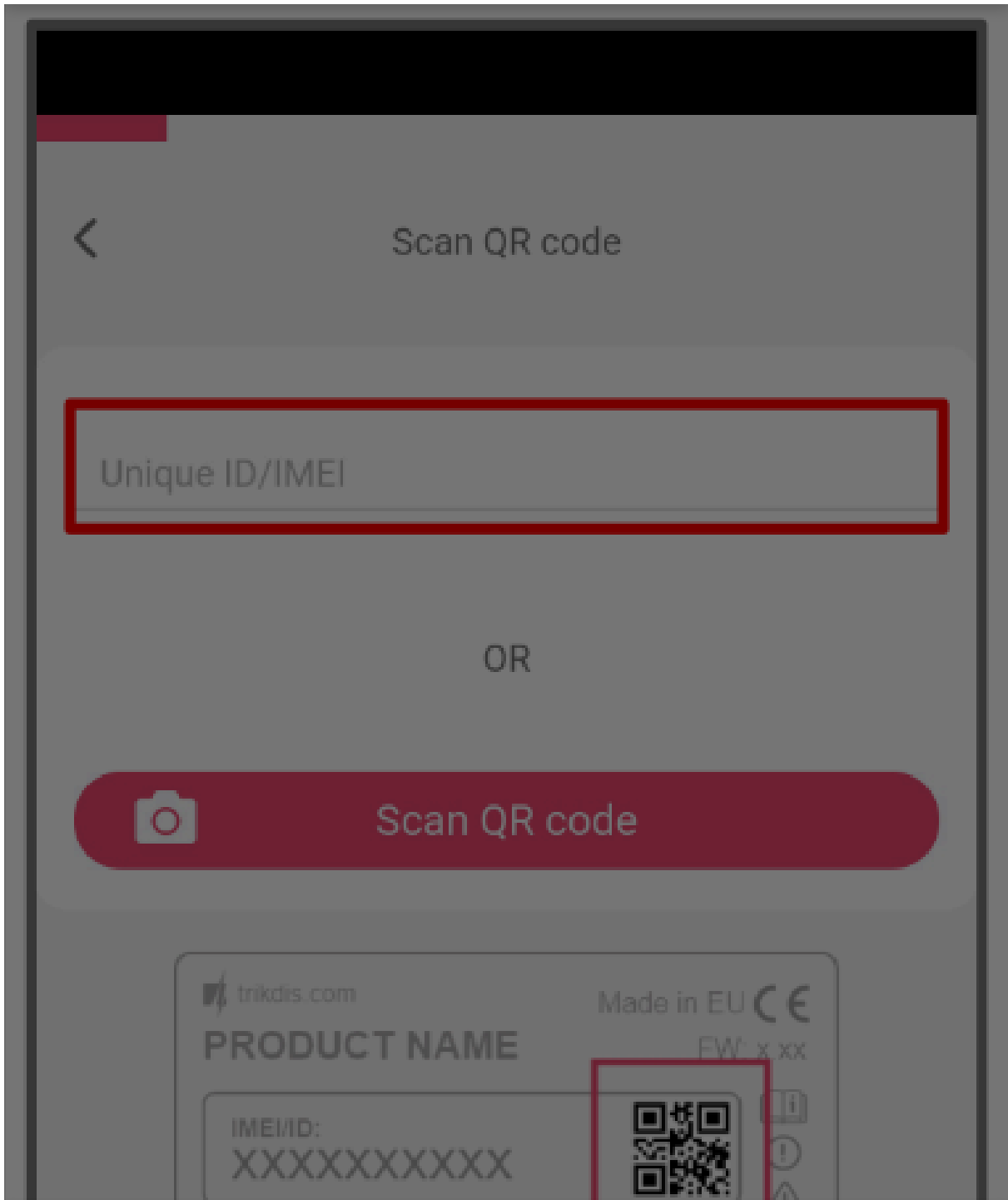


**Step 2.** Enter the communicator **IMEI**, tap **Next**.

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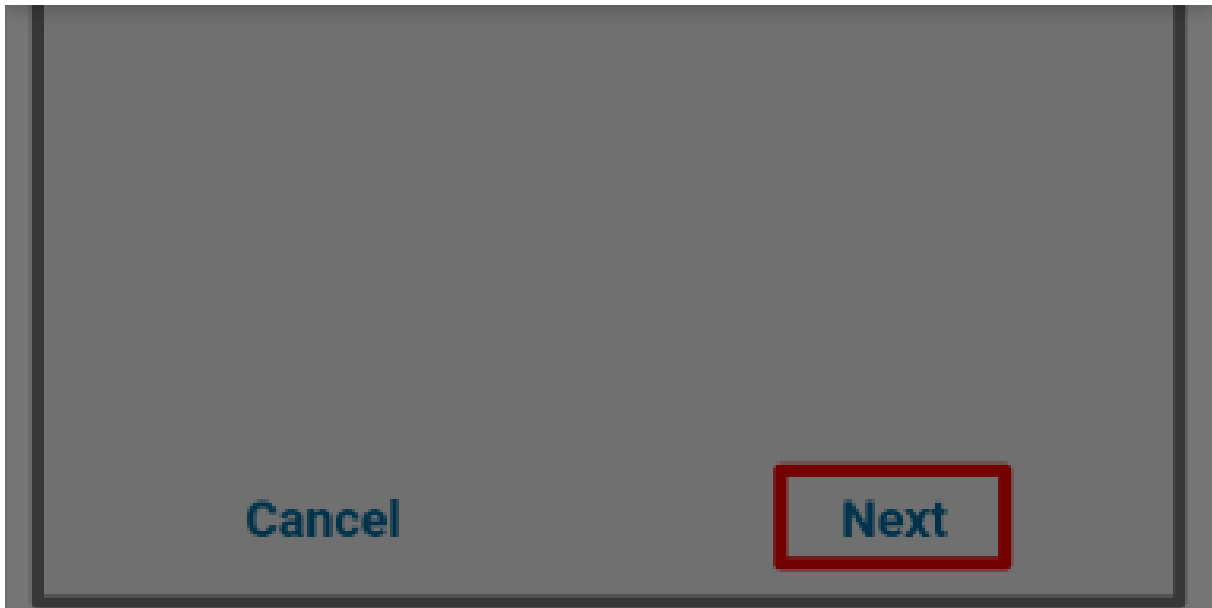
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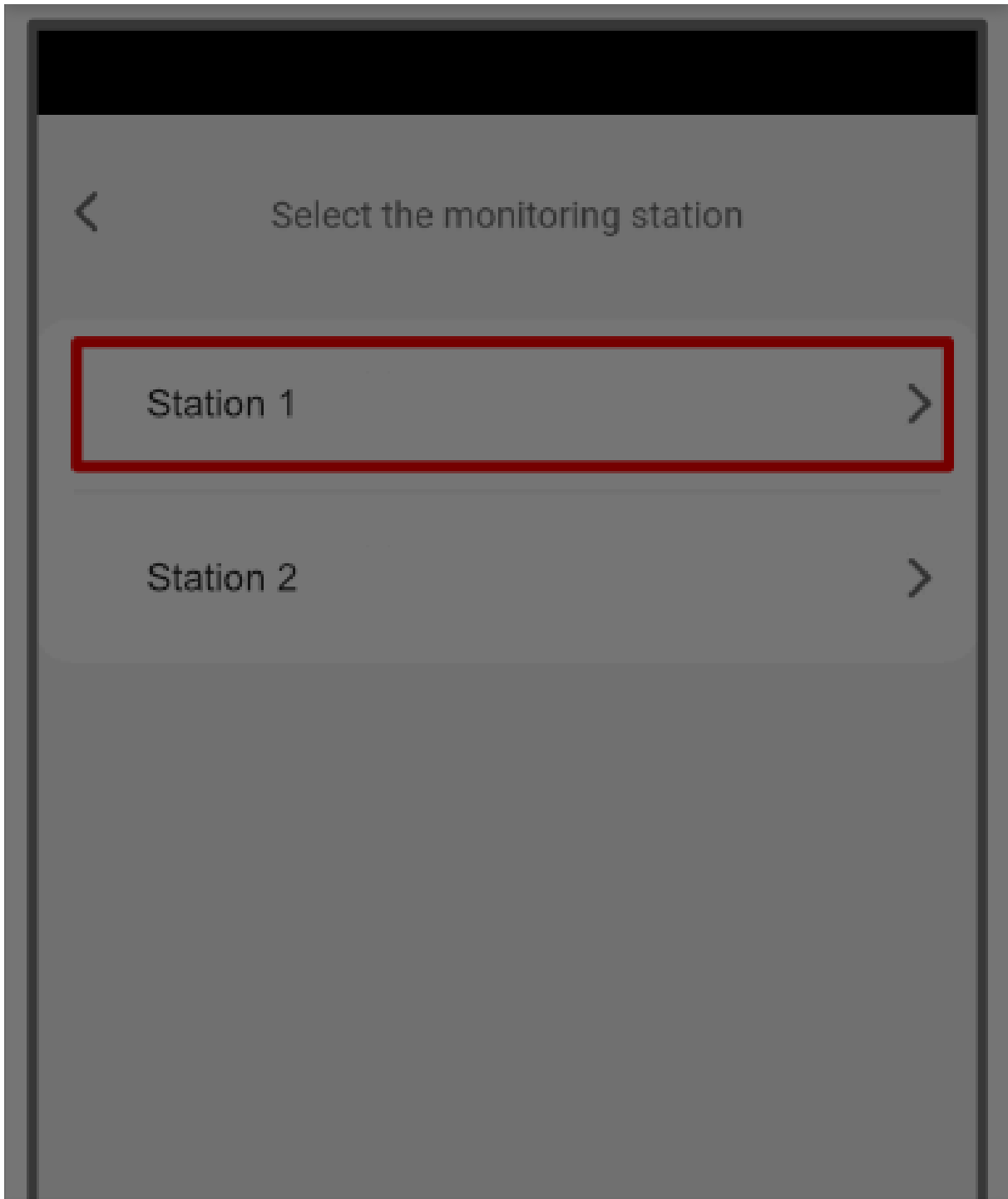
**Step 3.** Select security company.

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Cancel

Add only to Protegus2

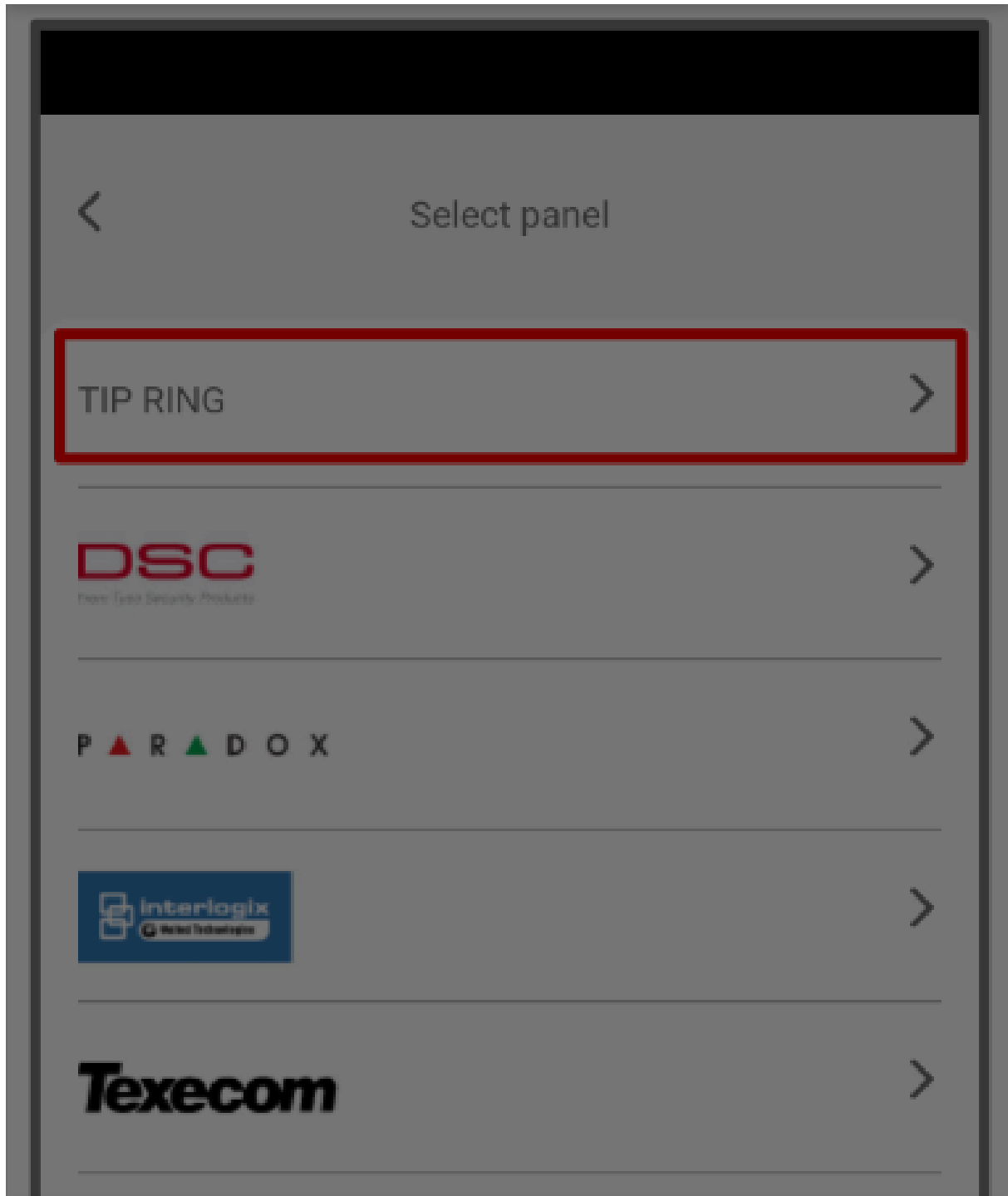
**Step 4. Choose TIP RING.**

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**Step 5. Choose Mode.**

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**Step 6.** Choose **AUTO**.

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## Mode

1. DISABLED

2. AUTO

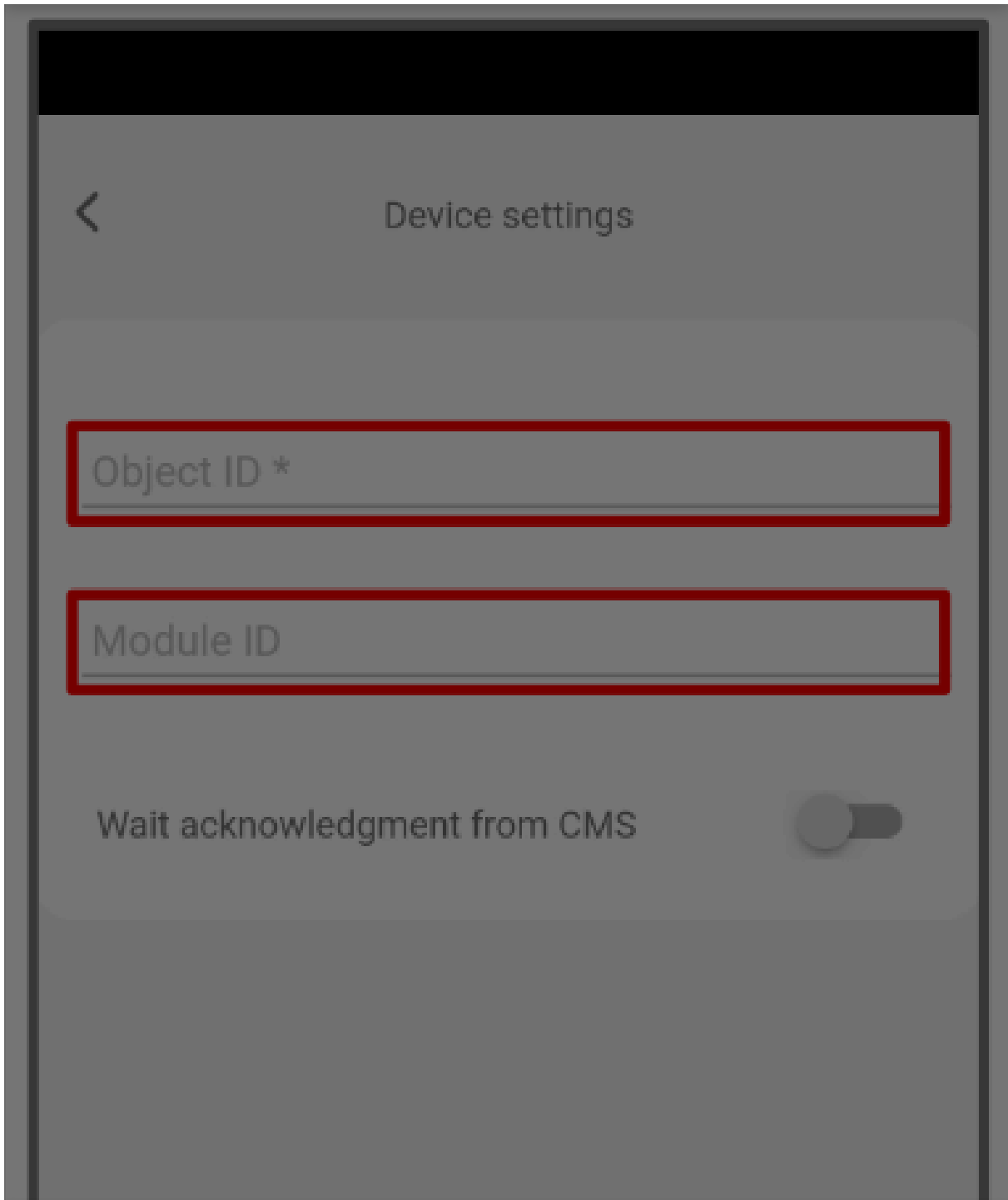
3. MANUAL

**Step 7.** Enter **Object ID** if required by the wizard or monitoring setup, enter **Module ID**, then tap **Next**.

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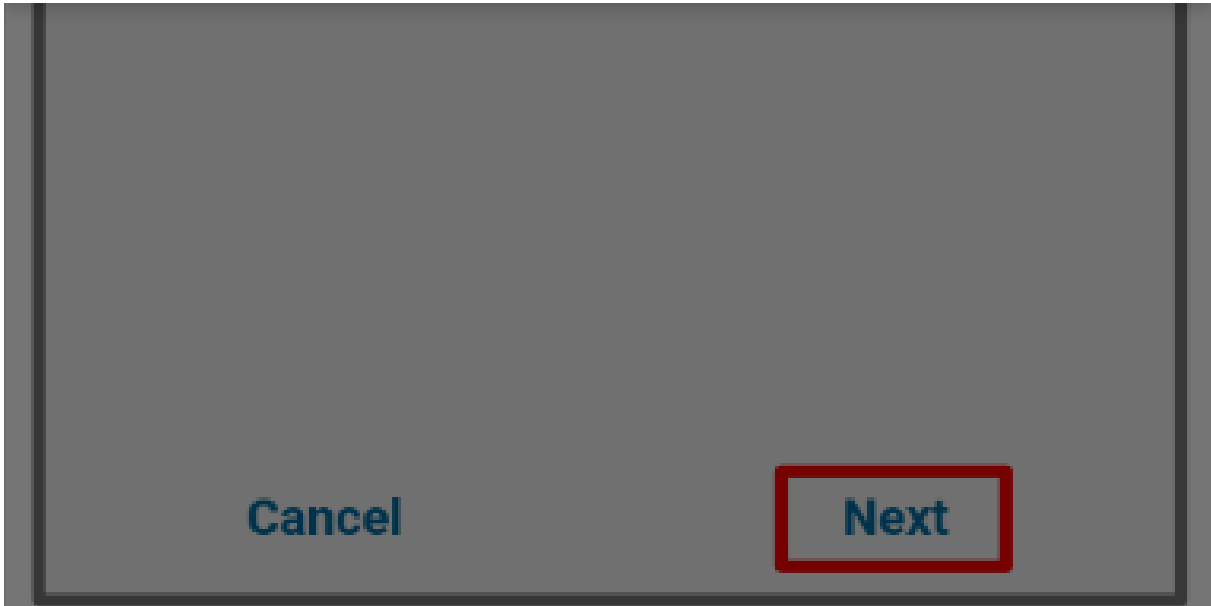
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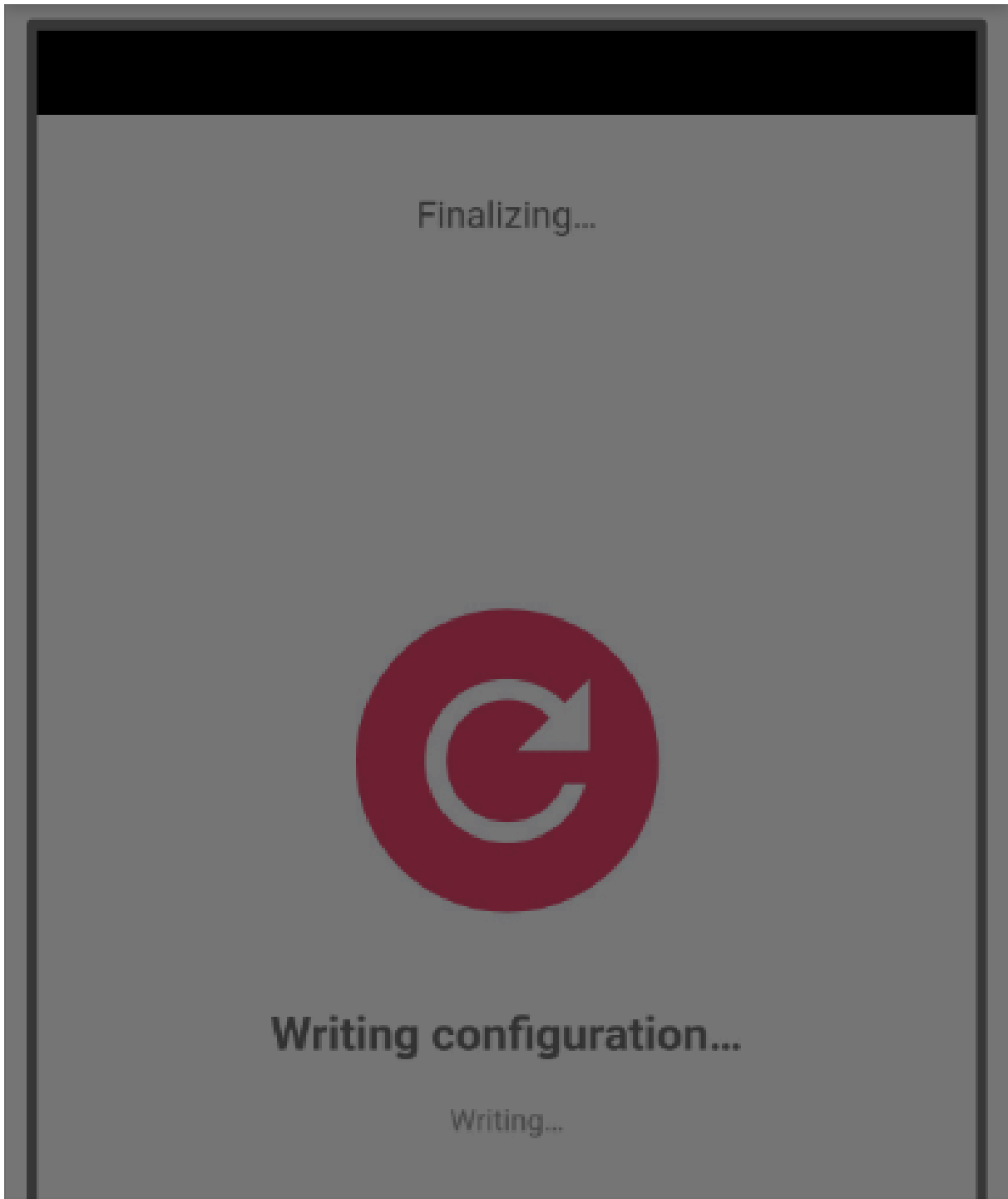
**Step 8.** Wait while data is written.

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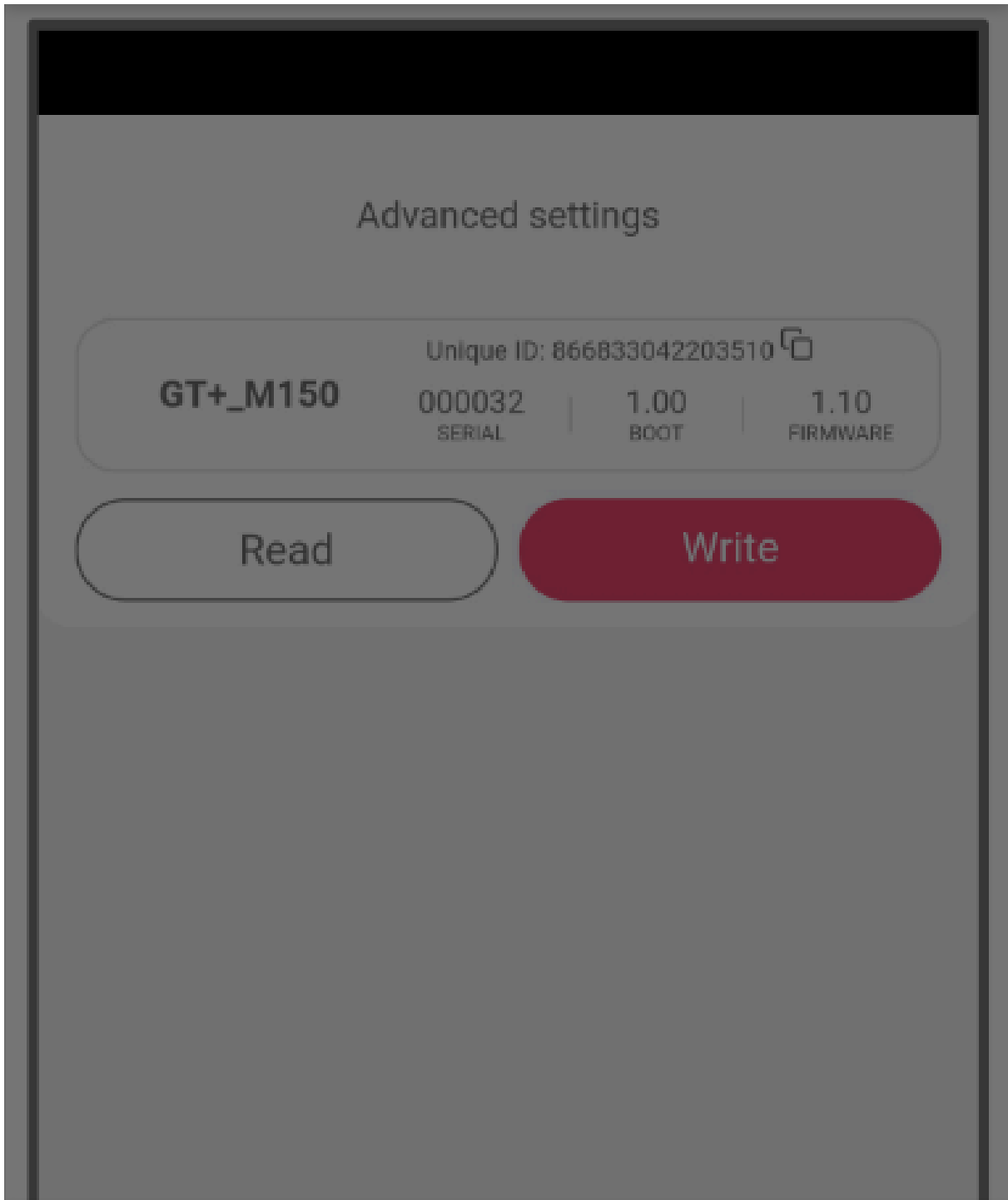
**Step 9. Tap Add to Protegus2.**

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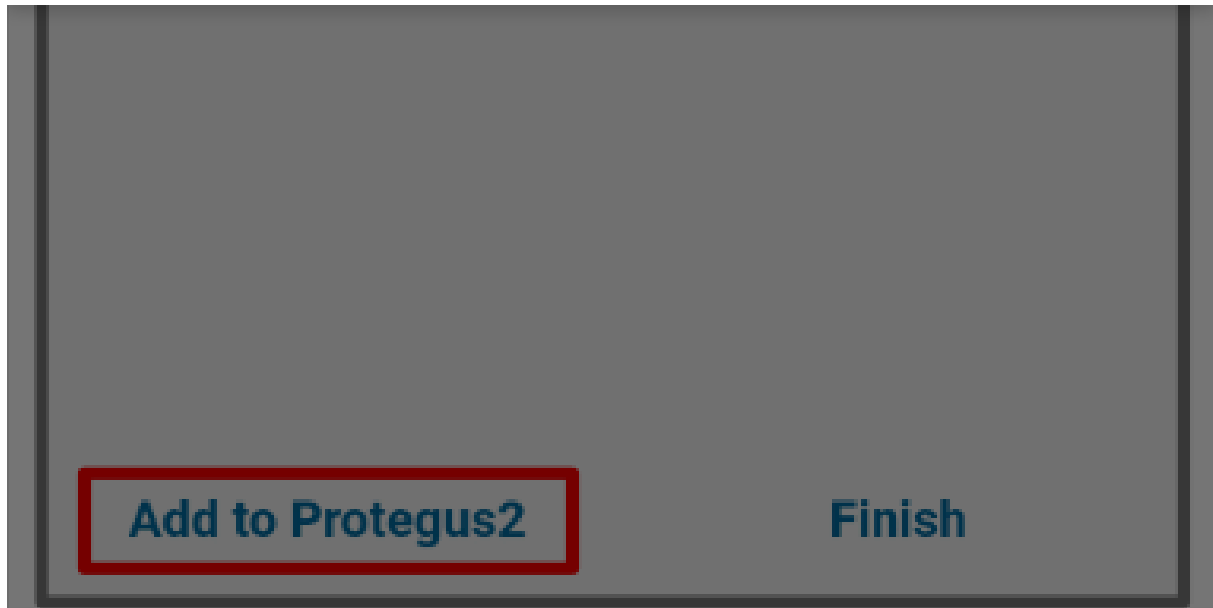




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**Step 10.** Enter system **Name**, tap **Next**.

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## Add new system

Name  
GT+ NEO HS2016

Background 

Time zone  
Europe/Vilnius 

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Skip

Next

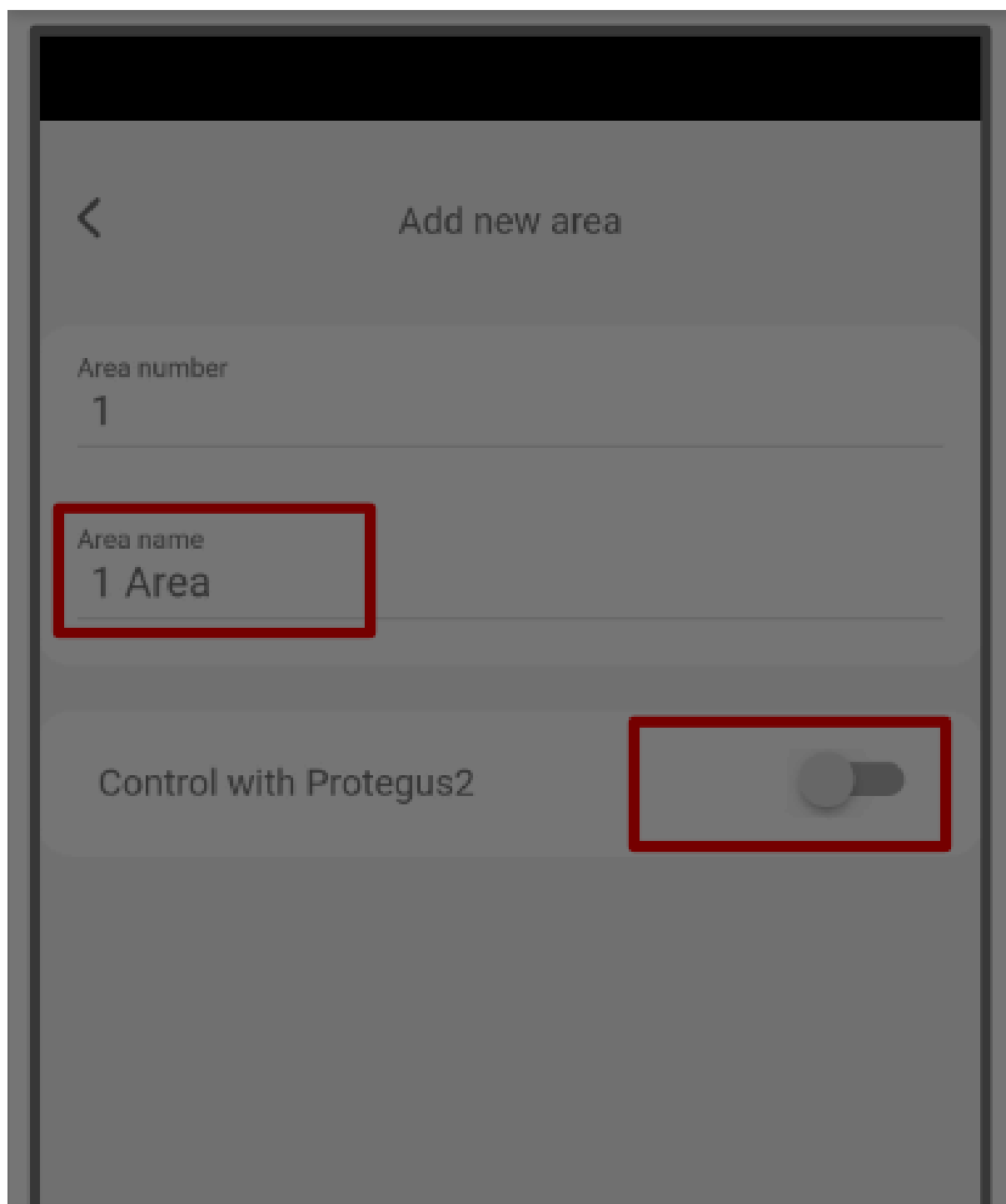
**Step 11.** Enter **Area name**. Enable **Control with Protegus2**.

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Save

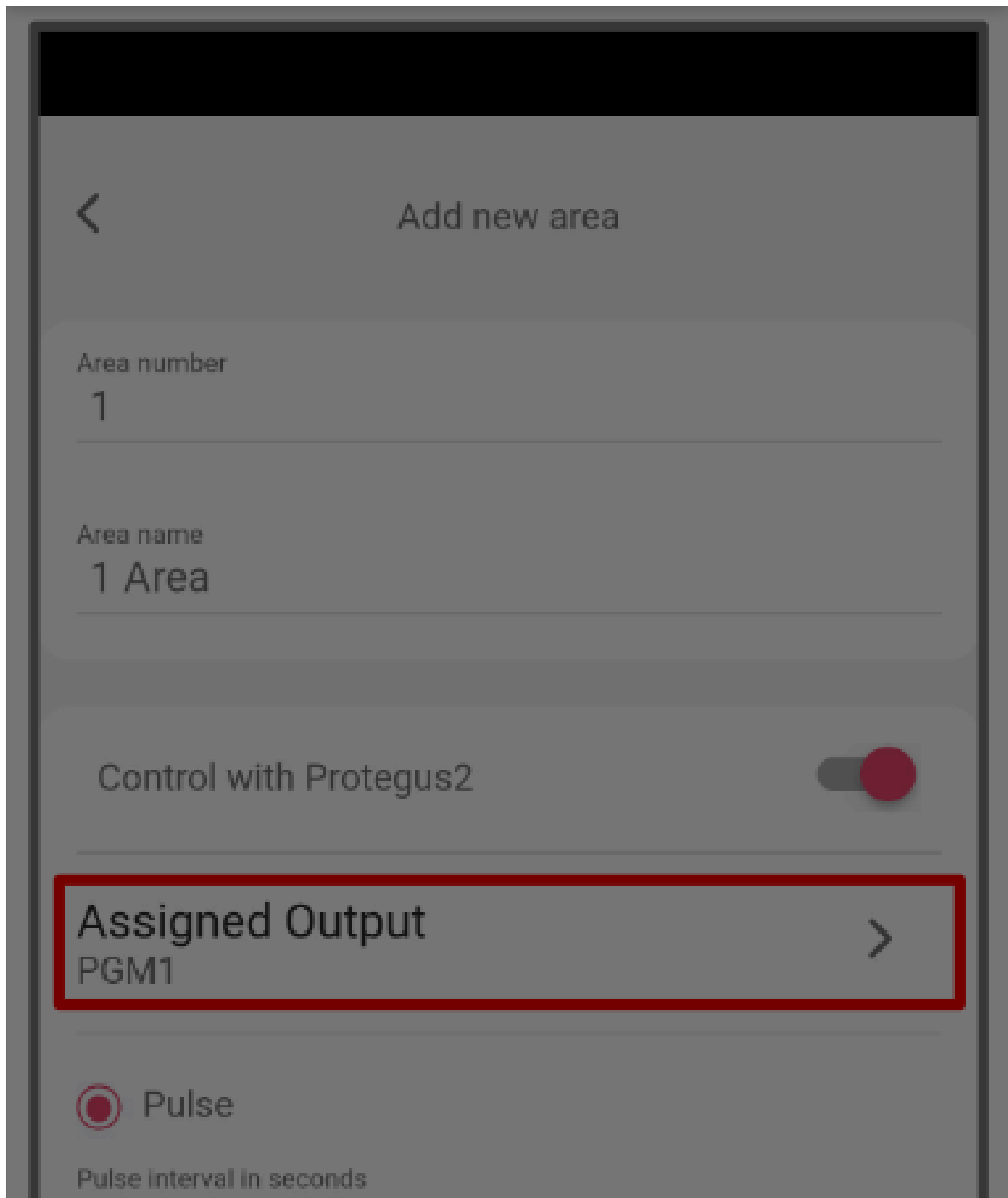
**Step 12.** Choose the wired PGM output. Select **Pulse** or **Level** to match the panel keyswitch zone, then tap **Save**.

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### TIP

If only event reporting is needed, skip the keyswitch output wiring and leave remote arm/disarm disabled in Protegus2.

## 5. System check

- Arm and disarm the panel from the keypad.
- Trigger a test alarm while the system is armed.
- Confirm that events arrive to Protegus2. If ARC/CMS reporting is used, confirm that the monitoring station receives events with the expected account ID.
- Arm and disarm the system from Protegus2, if the keyswitch zone is wired.
- Confirm that the panel follows the app command and then reports the opening/closing event back to Protegus2.
- If events are not received, check panel dialer enablement, DTMF dialing, Contact ID format, telephone number, TIP / RING wiring, and the account ID only when ARC/CMS reporting is expected.

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