



## Integrating mobile devices with Mobile Tornado

Mobile Tornado aims for broad hardware compatibility. This guide outlines functionalities and provides steps to ensure your device integrates with Mobile Tornado for an enhanced push-to-talk over cellular (PTToC) experience.

### Device requirements:

- ☐ Dedicated push-to-talk (PTT) key: A physical button solely dedicated to PTT functionality, separate from volume, camera, or power controls.
- ☐ Optional buttons: Additional buttons for emergency alerts and channel switching further enhance the user experience.

### Button functionality:

- ☐ In both the background and with a locked device, pressing the PTT button should:
  - Unlock the device if locked and launch the Mobile Tornado application.
  - Initiate PTT communication when pressed (down event).
  - Terminate PTT communication when released (up event).

### Mobile Tornado intents:

Mobile Tornado offers a set of standard intents to simplify integrating your device's firmware. These intents allow your device to communicate with Mobile Tornado services for functionalities like PTT and emergency alerts.

### Supported intents:

- ☐ PTT button:
  - Pressed: ("android.intent.action.PTT.down")
  - Released: ("android.intent.action.PTT.up")
- ☐ Emergency button:
  - Pressed: ("android.intent.action.sos.down")
  - Released: ("android.intent.action.sos.up")
- ☐ Channel knob (continuous):
  - Turn & stop:
    - Upward turn press: ("android.intent.action.CHANNELUP.down")
    - Upward turn released: ("android.intent.action.CHANNELUP.up")
    - Downward turn press: ("android.intent.action.CHANNELDOWN.down")
    - Downward turn released: ("android.intent.action.CHANNELDOWN.up")