

Pills Reminder

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Hardware

- Dollar Store Weekly Pill Box
- Wemos D1 mini or ESP8266 Dev Kit
- Reed switch, normally open
- Magnet
- 5 volt USB supply



Files and messaging

When the pill box is opened, the ESP8266 on the box, running pillbox.ino ([click to see file](#)), sends its chipID in a REST Post to webpage pillbox.php ([click to see file](#))

Posting to **pillbox.php** on server appends time and ChipID to **pillbox.txt** on server

At noon cron job **pillBoxWarning.php** ([click to see file](#)) looks at the end of **pillbox.txt** for a post in the last 3 hours

Not finding one, or if testing, it sends an SMS, an email, a curl and a redirect (for debugging) to Alexa Echo Show via Thomptonics Notify Me

Notifying Alexa

[Thomptronics Notify Me](#)

<https://www.thomptronics.com/about/notify-me>

`https://api.notifymyecho.com/v1/NotifyMe?notification=Hello%20World
!&accessCode=ACCESS_CODE`