

Black Rail remote broadcast unit timer programming

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Note, the following directions apply to the [CN101 DC 12V digital programmable timer switch](#).

1. Clear/reset the timer.

- a. Press the smaller, inset **C** button on the timer. After a few seconds, the unit will reset. This ensures you are working from a clean slate before each deployment.

2. Put the timer into manual mode.

- a. If the timer is locked (i.e., there is a \boxtimes icon in the lower left corner of the display), press the **C/R** button 4X.
- b. If a \boxtimes icon (some older models), or **OFF** is indicated along the bottom of the display, proceed to the next step.
- c. If no \boxtimes icon, or **AUTO** or **ON** is indicated along the bottom of the display, press the **MANUAL** button until either the \boxtimes icon (some older units) or **OFF** appears along the bottom of the display (newer units).

3. Set the day of the week and time of the timer.

- a. Visit time.gov for current official time.
- b. While holding the \ominus button, use the **D+** button to set the current day of the week, the **H+** button to set the current hour, and the **M+** button to set the current minute. If no button is pressed for 2 seconds while holding the \ominus button, you will need to release the \ominus button and push/hold it again to further adjust the day of week or time.

4. Set the remote broadcast unit program.

- a. Determine the broadcast sequence to be programmed using the [BLRA Remote Broadcast Unit Sequence List](#).
- b. Every sequence available in step 4a requires scheduling the **ON/OFF** times for three programs. They do not necessarily occur on consecutive days. When programming a broadcast sequence, pay careful attention to the days of the week and the **ON/OFF** timing of the three programs.
- c. Consult the [ARU programming calendar](#) for the scheduled **ON** times of the three programs associated with the relevant sequence and start date of the broadcast sequence. Ensure you are using the programming schedule associated with the start date of the broadcast, not necessarily the current or set (deployment) date.
- d. Programming begins by setting the **ON** time for the first program (i.e., **Program 1**). Press the $\textcircled{\text{P}}$ button to advance to the programming interface. The timer display should indicate **ON** and the number 1.
- e. Repeatedly press the **D+** button until the correct day of the week for **Program 1** is indicated.
- f. Set the appropriate **ON** time for the program using the **H+** and **M+** buttons.
- g. Press the $\textcircled{\text{P}}$ button to advance and set the **OFF** time for **Program 1**, using an approach similar to that described in steps 4e - 4f. Set the **OFF** time for 13 minutes after the **ON** time.
- h. Press the $\textcircled{\text{P}}$ button to advance to the **ON** time for **Program 2**. The timer display should indicate **ON** and the number 2.

- i. Repeat steps 4e - 4g to set the **ON** and **OFF** day of the week and times for **Program 2**.
- j. Repeat steps 4h - 4i to set the **ON** and **OFF** day of the week and times for **Program 3**.
- k. When finished setting the **OFF** time for **Program 3**, press the \ominus button to exit the programming interface.
- l. Repeatedly press $\textcircled{\text{P}}$ to cycle through and double-check the days and **ON/OFF** times of the three programs against the ARU programming calendar.
- m. Repeat step 4l. Seriously...