# Selectable DMX Output Speed

By default, the DMX engine transmits full-speed, full-frame DMX, and speeds close to the maximum available by the USITT spec. Unfortunately, we've learned that some DMX LED fixtures, particularly Amazon / eBay / Alibaba 'bargain bin' specials, have a hard time keeping up with this datastream.

To generate DMX with relaxed packet and inter-byte timing, ~ 15 frames per second, send the command:

`Slow[cr]` <--- that's a capital 'S' at the beginning, but the default font isn't super clear here.

For full frame DMX at ~40 frames per second, send the command:

`Fast[cr]`

The output speed command survives a power cycle. Immediately after a command is received, the system will reboot. The reboot process takes 2-3 seconds to complete. The DMX LED on the chassis will flash in sync with DMX packets, providing additional user feedback of the current setting.

For a more in-depth discussion of this issue, please visit www.response-box.com/gear/decabox-dmx-slowdowner/

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