

# **RIFF JTAG Error codes and troubleshooting**

## **ERROR: Timeout while waiting for DCC Loader response.**

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Returned by DCC loader, usually during write operations. There is number of reasons which can cause this error:

- RTCK/TCK sampling rate is too high
- Connection with target device is unstable
- Flash memory is malfunctioning

User should adjust the RTCK/TCK sampling rate and check connection. In some cases, memory chip (NAND/NOR/eMMC) needs to be replaced.

How to adjust RTCK and TCK in order:

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JTAG TCK Speed:

RTCK

Sample at MAX

Sample at MAX

Sample at 20 kHz

Sample at 40 kHz

Sample at 60 kHz

Sample at 80 kHz

Sample at 100 kHz

Sample at 200 kHz

Sample at 400 kHz

Sample at 800 kHz

Sample at 1 MHz

Sample at 2 MHz

Sample at 3 MHz

Sample at 4 MHz

Sample at 6 MHz

Sample at 8 MHz

Sample at 9 MHz

Sample at 10 MHz

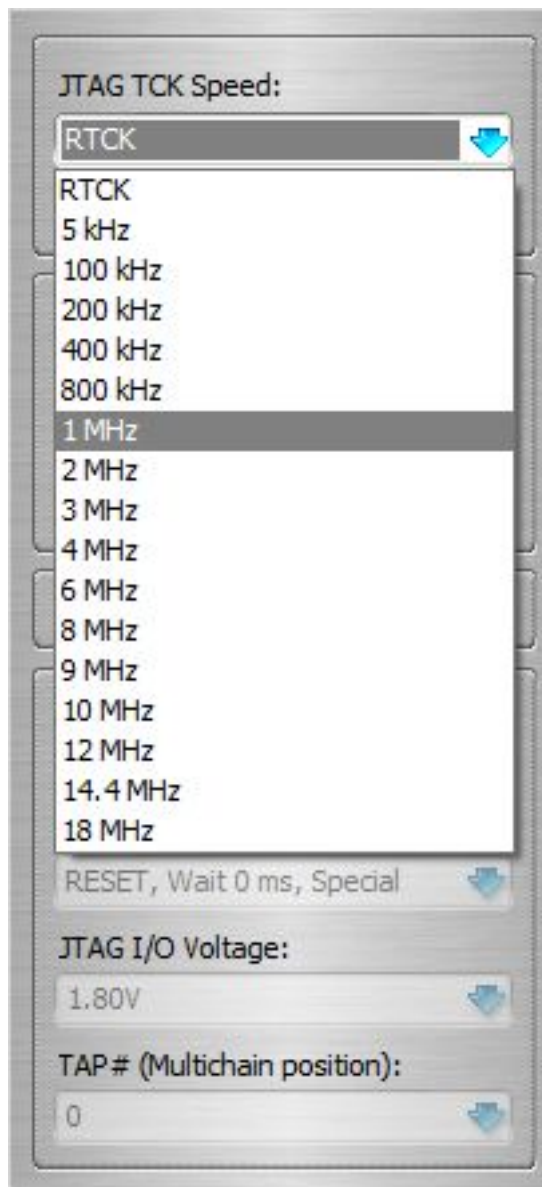
Sample at 12 MHz

1.80V

TAP# (Multichain position):

0

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The image shows a software window for JTAG configuration. It contains several sections with dropdown menus and a list of options.

**JTAG TCK Speed:**

- RTCK (selected)
- 5 kHz
- 100 kHz
- 200 kHz
- 400 kHz
- 800 kHz
- 1 MHz
- 2 MHz
- 3 MHz
- 4 MHz
- 6 MHz
- 8 MHz
- 9 MHz
- 10 MHz
- 12 MHz
- 14.4 MHz
- 18 MHz

**RESET, Wait 0 ms, Special**

**JTAG I/O Voltage:**

- 1.80V

**TAP # (Multichain position):**

- 0

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