

PITKIT 5 COLOR CODE

Startup Sequence

The expected startup sequence is purple steady on for approximately 4 seconds, then blue steady on — at which point the debugger is ready.

Normal Operation Colors

Color	Meaning
Blue	Power connected — debugger in standby, ready
Orange	Powering target from PICkit 5 — "Power target" checkbox is ON
Green	Powering target from PICkit 5 — "Power target" checkbox is OFF
Yellow	Debugger is busy (programming/communicating)
Purple	Bootloader running
Red	Operation failed
Purple fast blink	Time window to force bootload mode

Bootloader Error Colors

Color	Meaning
Red slow blink	Problem accessing the debugger's internal EEPROM
Red fast blink	Bootloader API commands cannot be processed
White fast blink	Runtime exception in tool firmware — serious error

Programmer-To-Go Colors

When the PICkit 5 LED changes to blinking green it is ready to program. If no image is on the microSDHC card it blinks red to indicate a PTG error. After checking the device ID the LED changes to blinking purple indicating programming is in progress, then changes back to flashing green when programming is complete. Microchip

The one that trips people up most: orange vs green both mean the power target circuit is active — the difference is just whether the "Power target from PICkit 5" checkbox in Project Properties is checked or unchecked.