**PCU**

**Version 1.06.00**

**I. Overview**

Filename: PCU\_v1.06.00.hex

File Location: //Production Firmware Release\Plex\PCU

Date: 05/19/21

File Size: 89,530 bytes

CRC-32: 85422E44

Project Location: https://github.com/bruce-mike/PCU

**II. Applicable Hardware/Software**

HDCU rev J (Assembly 231441) – **this software is not intended to be used with older revision hardware**

**III. Installation**

Refer to instructions in production release directory

**IV. New Features and Enhancement**

New Bootloader Architecture that allows for remote upgrading via DCU USB drive and potential OTA code upgrade

Added support for HDCU

* Radar and Classifier inputs switched to SPI UART
* Parsed radar data included in periodic DCU status polling
* PCU now routed to HDCU via RS485 bus – legacy handheld used Ethernet connection to DCU

Added support for separated Radar and Classifier power

* Legacy radar power command powers radar and classifier ON/OFF
* Added individual command to DCU protocol for individual powering of classifier and radar. Commands are available for subsequent DCU release

DCU reboot command modified to reboot PCU. Previously, the DCU power was cycled off and on