Summary information for PrismaPro-Users regarding firmware updates:

Main issues:

Table 1: Firmware 1.5.0 ➔ 1.6.0

#	App	Issue	Description of change
01	*API*	*Dig. Output*	*Updated default digital output channel modes to be OFF*
02	*API*	*Status of Filament*	*Added API targets to access the status of filaments 1 and 2.* *API-Nbr: 63 /mmsp/status/fil1Open/* *and* *API-Nbr: 64 /mmsp/status/fil2Open/*
03	*API*	*Ext. pressure gauge*	*"External Pressure gauge" is now working*
04	*API*	*OEM ID*	*oeMID = 33*
05	*API*	*Login*	*Username: OEM 33 …* *PWD:* **see PV-Cloud "EULA-Users" for correct Login**

Table 2: Firmware 1.6.0 ➜ 1.9.0

#	App	Issue	Description of change
01	*WebUI*	*External Pressure*	*Shows ext. Pressure gauge*
02	*WebUI*	*Total Pressure*	*Shows total Pressure in different units*
03	*WebUI*	*Tune*	*Tune folder added*
04	*API*	*Login*	*Removed OEM restrictions:* *Non-Eula-Users don't need login* **Can do MID-Scan and Lock/Release PrismaPro without "login"**
05	*WebUI*	*Monitor*	*mBar has been added as a unit for measuring Total Pressure and External Gauge Pressure.*
06	*WebUI*	*Monitor*	*Calculation of pressure data has been corrected so that the number displayed is now accurate.* *- Previously some unit conversions were being miscalculated.*
07	*WebUI*	*Monitor*	*Scan EM Voltage can now be changed from the Monitor screen.* *- The input is validated by confirming that the new voltage is within the device's accepted bounds.*
08	*WebUI*	*Monitor*	*Plot Y-Axis scaling has been modified to allow downscaling to accomadate dramatic decrease in data magnitude, such as when EM is turned off.*
09	*WebUI*	*Tune*	*The default scan mass now tries to select the first mass after 1, if possible.* *- This is done to try to prevent users from attempting to tune mass 1.*
10	*WebUI*	*Tune*	*Adjusting scan parameters (dwell, ppamu, etc.) will now behave properly such that the changes do not take effect until the user clicks 'SET'.*
11	*API*	*ControlLock*	*WriteMode changed from 'protected' to 'normal'.*
12	*API*	*Documentation*	*Some api targets have had their descriptions updated to more accurately describe the intended use.*
13	*WebUI*	*Tune*	*Removed Cal Gas button from tune page to prevent confusion*
14	*API*	*Service only*	*Added Support for Right Angle electronics*
15	*API*	*Documentation/Firmware*	*Modified return value of Digital Input HW Values from U16 to U32 so it could fit all channels*
16	*API*	*Documentation*	*Fixed Analog/Digital IO Layout Tables for PrismaPro API Doc to match the IO Layout of PrismaPro*
17	*API*	*Documentation*	*Changed some endpoint descriptions to more accurately describe intended use*

Table 3: Firmware 1.9.0 ➔ 1.9.1

#	App	Issue	Description of change
01	*FW*	*Firmware Right Angle RGA*	*Adjust RF sweep frequencies for 90 degree PrismaPro*
02	*API*	*rfBoardRightAngle*	*Added query only API command to see if a 90 degree PrismaPro unit*