12.10 Command Set

Command line format
COMMAND<parameter1><parameter2>... [CR]
Remark:
One decimal place for current value: HCS-3100, 3150, 3200, 3202, 33XX, 34XX, 36XX
Two decimal places for current value: HCS-3102, 3014, 3204

Command code & return value	Function	Example
Input Command: **GMAX**[CR] Return value: <voltage><current>[CR] OK[CR]	Get PS maximum Voltage & Current value <voltage>=??? <current>=???	Input command: **GMAX**[CR] Return value: 180200[CR] OK[CR] Meaning: Maximum Voltage is 18.0V Maximum Current is 20.0A
Input Command: **SOUT**<status>[CR] Return value: OK[CR]	Switch on/off the output of PS <status>=0/1 (0=ON, 1=OFF)	Input command: **SOUT0**[CR] Return value: OK[CR] Meaning: Switch on the output of PS

Command code & return value	Function	Example
Input Command: **VOLT**<voltage>[CR] Return value: OK[CR]	Preset Voltage value <voltage>=010<???<Max-Volt *Max-Volt value refer to product specification	Input command: **VOLT**127[CR] Return value: OK[CR] Meaning: Set Voltage value as 12.7V
Input Command: **CURR**<current>[CR] Return value: OK[CR]	Preset Current value <current>=000<???<Max-Curr *Max-Curr value refer to product specification	Input command: **CURR**120[CR] Return value: OK[CR] Meaning: Set Current value as 12.0A
Input Command: **GETS**[CR] Return value: <voltage><current>[CR] OK[CR]	Get PS preset Voltage & Current value <voltage>=??? <current>=???	Input command: **GETS**[CR] Return value: 150180[CR] OK[CR] Meaning: The Voltage value set at 15V and Current value set at 18A
Input Command: **GETD**[CR] Return value: <voltage><current><status>[CR] OK[CR]	Get PS Display values of Voltage, Current and Status of CC/CV <voltage>=???? <current>=???? <status>=0/1 (0=CV, 1=CC)	Input command: **GETD**[CR] Return value: 150016001[CR] OK[CR] Meaning: The PS Display value is 15V and 16A. It is in CC mode.
Input Command: **PROM**<voltage0><current0> <voltage1><current1> <voltage2><current2>[CR] Return value: OK[CR]	Save Voltage and Current value into 3 PS memory locations <voltageX>=??? <currentX>=??? (X is memory location number start from 0 to 2)	Input command: PROM111111022122033133[CR] Return value: OK[CR] Meaning: Preset Memory 0 as 11.1V and 11.1A Preset Memory 1 as 2.2V and 12.2A Preset Memory 2 as 3.3V and 13.3A
Input Command: **GETM**[CR] Return value: <voltage0><current0>[CR] <voltage1><current1>[CR] <voltage2><current2>[CR] OK[CR]	Get saved Voltage and Current value from 3 PS memory loctions <voltageX>=??? <currentX>=??? (X is memory location number start from 0 to 2)	Input command: **GETM**[CR] Return value: 111111[CR] 122122[CR] 133133[CR] OK[CR] Meaning: PS return following preset value from 3 memory locations; Memory 0 is 11.1V and 11.1A Memory 1 is 12.2V and 12.2A Memory 2 is 13.3V and 13.3A
Input Command: **RUNM**<memory>[CR] Return value: OK[CR]	Set Voltage and Current using values saved in memory locations <memory>=0/1/2	Input command: **RUNM**1[CR] Return value: OK[CR] Meaning: Set Voltage and Current using values saved in memory location 1

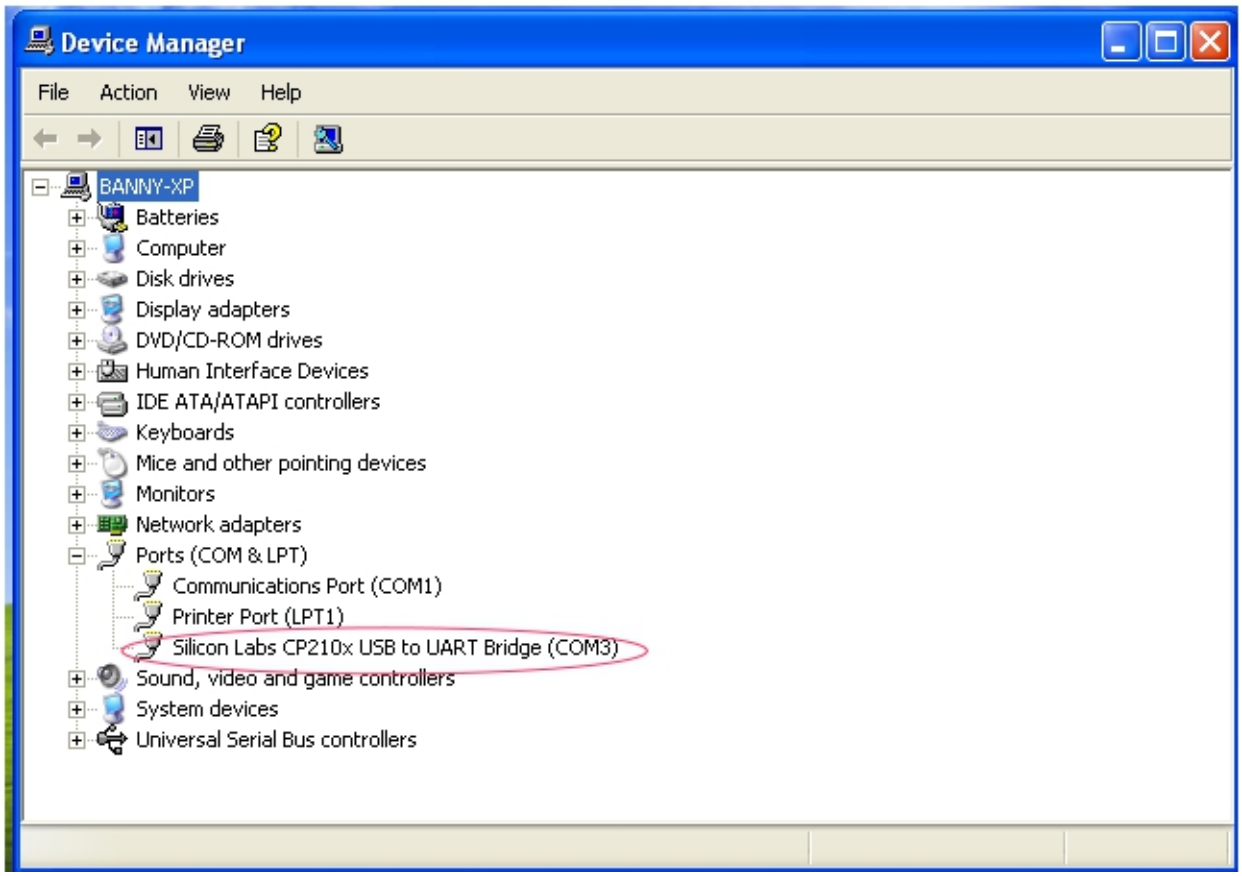
13. Appendix

HCS USB configuration for remote programming

This application note describes the procedure to configure the USB port for HCS remote programming application.

HCS remote programmable power supply with USB can connected to PC through USB cable.

USB to serial bridge design is used. When connected to PC, it will be converted as COM port shown in the following picture. e.g. COM3



If the COM port does not come up, please check if the USB driver has been probably installed.
The USB driver comes with HCS software CD. Make sure the CD has been load to computer first.
Then it can program as stand COM port.

The default COM port setting;

- baud rate : 9600
- Data bits : 8 bit
- stop bit : 1
- Parity : None

The HCS then can be programmed for remote control etc. by the ASCII commands via the COM3.
All the command sets are given in the user manual of the power supply.