

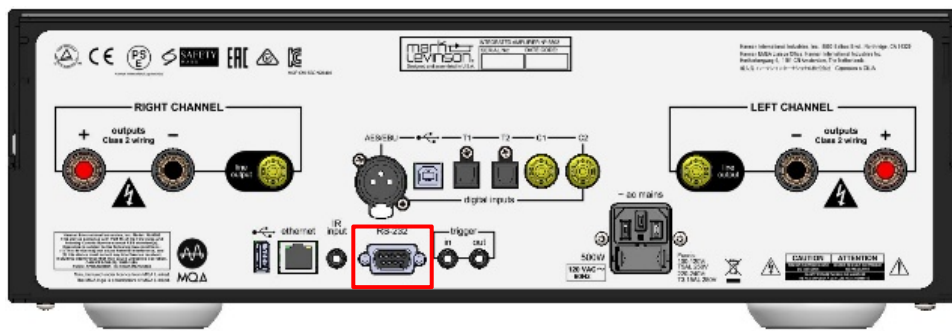
Bulletin #	010-00029
Models Affected	No5802 – No5805
Versions	V1.43 and above
Topic	RS232 and IR Control Codes

## Equipment Needed

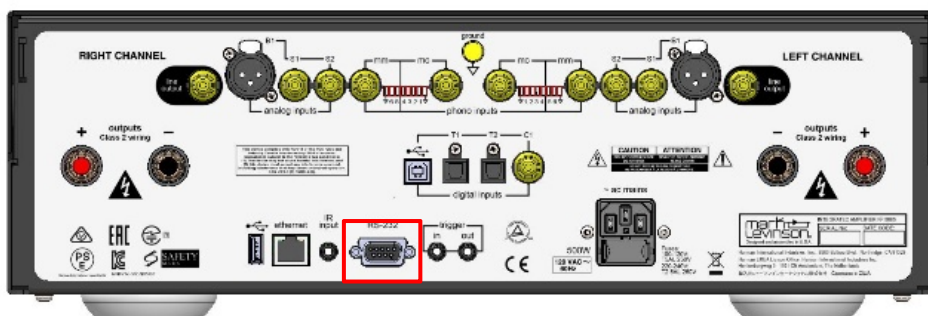
- PC or Laptop with Terminal Emulator installed (see Setup if Terminal Emulator is not installed)
- USB to RS232 Converter (if PC/Laptop does not have an Serial Port) [we recommend StarTech ICUSB232DB25]

## RS232 Control Code Procedure

1. Connect the RS232 port of ML580X to the USB port of a computer using a USB to RS232 adapter.



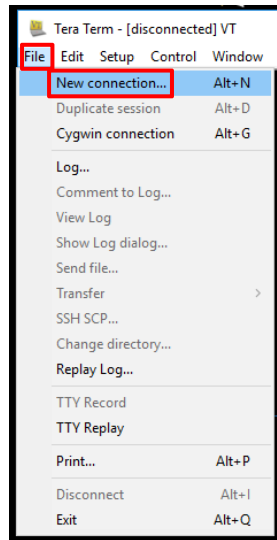
No5802 Rear Panel



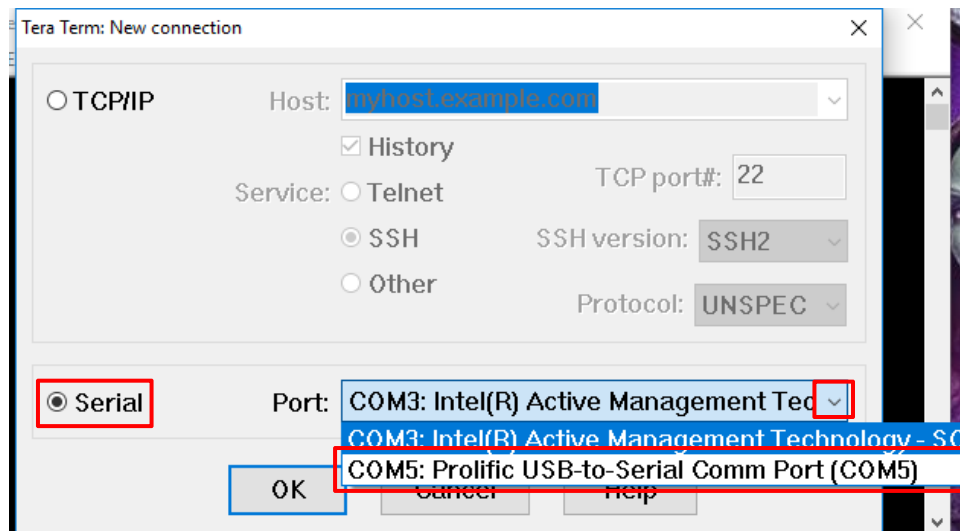
No5805 Rear Panel

2. On the computer, launch a serial terminal program like “Tera-Term”. Tera-Term can be downloaded from [https://download.cnet.com/Tera-Term/3000-2094\\_4-75766675.html](https://download.cnet.com/Tera-Term/3000-2094_4-75766675.html)

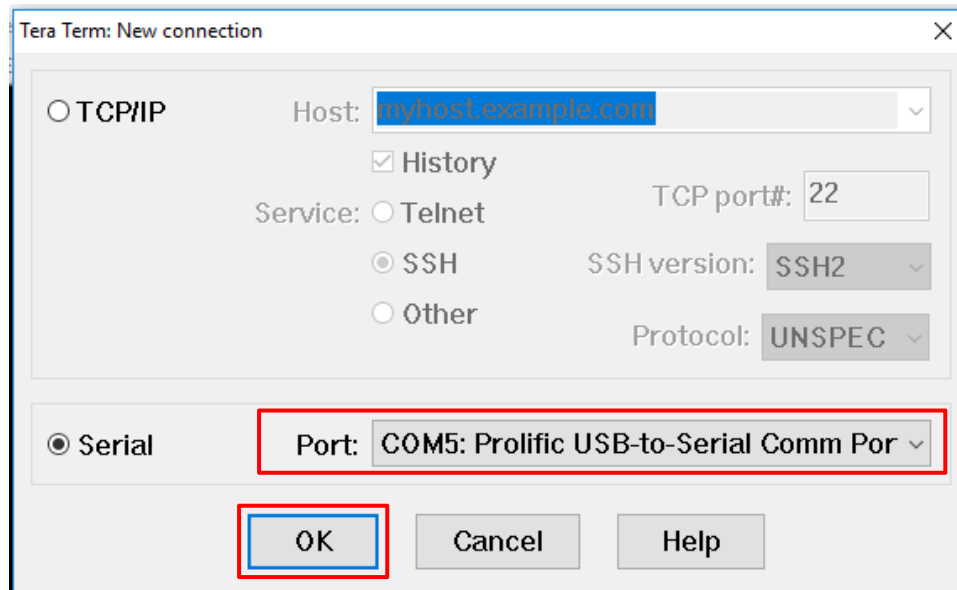
- Configure the RS232 connection in Tera-Term: Click **"File->New Connection"**



- Check the Serial radio button, then use the drop down to find the COM port that says **"COMX: Prolific USB-to-Serial Comm Port (COMX)"** (Where X is the number of the COM port).



5. Click on the COM port, then Click OK.



6. The computer will now be able to communicate with the No580X via any of the RS-232 commands listed in the tables

## No5802 RS232 Control Codes

STANDBY	!1005		
ENTER	!100F		
SETUP	!1015		
BALANCE	!102F		
VOL_DOWN	!1030		
VOL_UP	!1031		
MUTE	!1032		
PREV_IN	!1035		
NEXT_IN	!1036		
OUT_STANDBY	!1038		
IN_STANDBY	!1039		
INPUT C1	!103F	C1	
INPUT T1	!1040	T1	
INPUT T2	!1041	T2	
INPUT USB	!1042	USB	
INPUT BT	!1043	BT	
INPUT AES	!1044	AES/EBU	
INPUT C2	!1045	C2	
IN_MUTE	!1050		
OUT_MUTE	!1051		
STATUS	!1061		
STANDBY_NORMAL	!1062		
STANDBY_GREEN	!1063		
STANDBY_PWRSAVE	!1064		
Direct volume	!2XXX		XXX equals the three digit volume number 000 - 800, (0, 5, 10..)
Direct Balance	!3SXX		SXX where S is 0 for Balance Left and 1 for Balance Right, respectively. XX represents the balance in HEX, ranging from 00 to C8 (decimal 0 - 200, 0, 5, 10).  When this setting is 0xCD, the L/R channel turns off as it would when one turns the balance all the way beyond 200.
Current volume read	!2GET		
Current balance read	!3GET		
Bluetooth Pairing	!5002		Enable pairing
	!5003		Forget paired
Upsample Off	!5004		Oversampling if MQA
Upsample On	!5005		Always Oversampling

Enable Power Amp	!O004		PowerAmp Disabled
	!O005		PowerAmp Enabled
Network IP Address	!IP		Return current Network IP address
Factory Restore	!1000		Restore default configuration parameters
When something is entered correctly, the return prompt will be OK:			
When something is entered incorrectly, the return prompt will be EH?			

## No5805 RS232 Control Codes

STANDBY	!1005		
ENTER	!100F		
SETUP	!1015		
BALANCE	!102F		
VOL_DOWN	!1030		
VOL_UP	!1031		
MUTE	!1032		
PREV_IN	!1035		
NEXT_IN	!1036		
OUT_STANDBY	!1038		
IN_STANDBY	!1039		
INPUT B1	!103A	B1	
INPUT S1	!103B	S1	
INPUT S2	!103C	S2	
INPUT Phono	!103D	Phono	
INPUT C1	!103F	C1	
INPUT T1	!1040	T1	
INPUT T2	!1041	T2	
INPUT USB	!1042	USB	
INPUT BT	!1043	BT	
IN_MUTE	!1050		
OUT_MUTE	!1051		
STATUS	!1061		
STANDBY_NORMAL	!1062		
STANDBY_GREEN	!1063		
STANDBY_PWRSAVE	!1064		
Direct volume	!2XXX		XXX equals the three digit volume number 000 - 800, (0, 5, 10..)
Direct Balance	!3SXX		SXX where S is 0 for Balance Left and 1 for Balance Right, respectively.
			XX represents the balance in HEX, ranging from 00 to C8 (decimal 0 - 200, 0, 5, 10).
			When this setting is 0xCD, the L/R channel turns off as it would when one turns the balance all the way beyond 200.
Current volume read	!2GET		
Current balance read	!3GET		
Phono Input Control			







