

TIPI METHODS FOR LINEA RESEARCH M & C RANGE AMPLIFIERS

V1.24 6/8/2020
 Relates to firmware V1.543 onwards for 44M, 44C, 48M, 88C Amplifier products



Note that each string must begin with the start delimiter "\$" and be terminated with a "\r" "Carriage Return" (0x0D character, sometimes denoted as <CR>)

An example of the full string would thus be: **\$SET Snapshot 5\r**

The maximum number of characters in such a string is 255.

Parameter	MethodName	Channels	Minimum Value	Maximum Value	Actions	Example	Example 'GET' Response	Notes
Input Mute	InA/Mute	InA..InH	false	true	Set/Get	\$SET InD/Mute yes		
Input Gain	InA/Gain	InA..InH	-40dB	20dB	Set/Get	\$SET InB/Gain -3.2dB		
Input Polarity	InA/Pol	InA..InH	false	true (reverse pol)	Set/Get	\$SET InC/Pol yes	\$NOTIFY InC/Pol yes	'yes' means reverse polarity
Output Mute	Out1/Mute	Out1..Out8	false	true	Set/Get	\$GET Out2/Mute	\$NOTIFY Out2/Mute yes	
Snapshot	Snapshot	-	1	20	Set	\$SET Snapshot 5		Maximum value depends on the model type
Sleep	Sleep	-	false	true	Set/Get	\$SET Sleep yes	\$NOTIFY Sleep yes	yes means sleep (amplifier inactive)
Standby	Standby	-	false	true	Set/Get	\$SET Standby no	\$NOTIFY Standby no	
Worst Alarm	Alarms/Worst	-	-min	+max	Get	\$GET Alarms/Worst	\$NOTIFY Alarms/Worst -6	-ve number for Attention, +ve for Fault, 0 for none
Input Meter	InA/Meter	InA..InH	tbd	tbd	Get	\$GET InD/Meter	\$NOTIFY InD/Meter 1.2dB	
Output Meter	Out1/Meter	Out1..Out8	tbd	tbd	Get	\$GET Out2/Meter	\$NOTIFY Out2/Meter 2.3dB	
Driver Impedance	Out1/Imp	Out1..Out8	0	9999	Get	\$GET Out4/Imp	\$NOTIFY Out4/Imp 4.2R	"0.1R" When the value cannot be determined
Type	Type	-	0	9999	Get	\$GET Type	\$NOTIFY Type 1234	The firmware Type number, not the product model name
Version	Version	-	0	9999	Get	\$GET Version	\$NOTIFY Version 1234	1000 x the firmware version - this example indicating V1.234
Nop	Nop	-	-	-	-	\$NOP		Useful for TCP/IP 'keep alive' for some controllers

TIPI Error Codes implemented

- 1,2,3,4 BadCommandIncomplete
- 5 BadCommandUnexpectedLength
- 7 BadCommandParamValue
- 8,12 UnknownMethod
- 9 UnknownMethodType
- 10 BadCommandExpectedYesNo
- 11 BadCommandFloatFormat
- others UnknownError

Incident Codes

Check Incidents

- 1 PSU Current Attention
- 2 Driver Impedance1 Attention
- 3 Driver Impedance2 Attention
- 4 Driver Impedance3 Attention
- 5 Driver Impedance4 Attention
- 6 Driver Impedance5 Attention
- 7 Driver Impedance6 Attention
- 8 Driver Impedance7 Attention
- 9 Driver Impedance8 Attention
- 10 Slow Fan Attention
- 11 PSU Power Attention
- 12 Temperature Attention
- 13 Starting Attention

Fault Incidents

- 14 Fan Fault
- 15 PSU Power Fault
- 16 VHF Fault
- 17 Driver Current Fault
- 18 Mains Voltage Fault
- 19 Temperature Fault
- 20 HT Fault
- 21 PSU Shutdown Fault
- 22 DC Fault
- 23 Starting Fault