All these messages were captured using a digital analyzer (115200 bitrate), so it's real information between Anycubic TFT display and

Trigorilla board. You can contrast it with Anycubic firmware 1.3.0 at Github https://github.com/ANYCUBIC-3D/ANYCUBIC CHIRON

ringorina board. Tod carr contrast it with Arrycable in final carrespond to the contrast it with Arrycable in final carrespond to the contrast it with Arrycable in final carrespond to the contrast it with Arrycable in final carrespond to the contrast it with Arrycable in final carrespond to the contrast it with Arrycable in final carrespond to the contrast in the contrast it with Arrycable in final carrespond to the contrast it with Arrycable in final carrespond to the contrast in the cont	OI.
Trigorilla messages after reset	
Trigoriila Meddaged arter redet	

Trigorilla Sends

 $3DBenchy.gcode\r\n$

END\r\n

 $\r\$

 $\r\$

J17\r\n

 $J12\r\n$

TFT Responds

A18' 'S50\r\n

A20' 'S120\r\n

	Periodic update	(1.1s) from display to Trigorilla	
TFT Request	Trigorilla Response	Meaning	
A0\r\n	A0V' '' '31\r\n	A0 → Current hotend temp (e.g. 31°C).	
A1\r\n	A1V' '200\r\n	A1 → Seted hotend temp (e.g. 200°C).	
72/2/2	70771 11 150\\-	A2 Current had tamp (a.g. E00C)	

Meaning

Ready

Main board reset

±	5	<u> </u>				
A0\r\n	A0V' '' '31\r\n	A0 → Current hotend temp (e.g. 31°C).				
A1\r\n	A1V' '200\r\n	A1 → Seted hotend temp (e.g. 200°C).				
A2\r\n	A2V' '' '50\r\n	A2 \rightarrow Current bed temp (e.g. 50°C).				
A3\r\n	A3V' '100\r\n	A3 \rightarrow Seted bed temp (e.g. 100°C).				
A4\r\n	A4V' '1\r\n	$A4 \rightarrow Fan speed (e.g. 1\%).$				

Query for SD files (Print option)			
TFT Request	Trigorilla Response	Meaning	
A8' 'S0' '\r\n	J02\r\n	Query [A8] for SD [S0] files but no SD [J02].	
	J00\r\n	SD inserted notify [J00]	
	J01\r\n	SD extracted notify [J01]	
A8' 'S0' '\r\n FN' '\r\n STRING~1.GCO\r\n String' 'Test' '4.gcode\r\n ARTICU~1.GCO\r\n Articulated_Butterfly.gcod\r\n 3DBENC~1.GCO\r\n		Query for SD files, 3 files in SD.	

	Access to Temperature option (Menu>Setup>Temp)		
TFT Request	Trigorilla Response	Meaning	
A0\r\nA2\r\n	$A0V'$ '' '31\r\nA2V' '' '50\r\n	Current hotend and bed temp (e.g. 31°C/50°C) This info it's periodic (1.1s)	
A16' 'S200\r\n		Set hotend temp (e.g. 200°C) [A16].	
A17' 'S50\r\n		Set bed temp (e.g. 50°C) [A17].	

TFT Request	Trigorilla Response	Meaning			
A19\r\n	\r\n	Turn off motors			
	Access to Speed option (Menu>Setup>Speed)				
TFT Request Trigorilla Response Meaning					
A4\r\n	A4V' '1\r\n	Query colling fan speed [A4]			
A20\r\n	A20V' '100\r\n	Query printing rate [A20]			

Set fan speed (e.g. 50%) [A18]

Set printing rate speed (e.g. 120%) [A20]

Access to Motor off option (Menu>Setup>Motor)

Access to Home (Menu>Tools>Auto Home)						
TFT Request	TFT Request Meaning					
A21' 'C\r\n		Home all axis				
A21' 'X\r\n		Home X axis				
A21' 'Y\r\n		Home Y axis				
A21' 'Z\r\n		Home Z axis				

		Tiome / Code		
A21' 'Y\r\n		Home Y axis		
A21' 'Z\r\n		Home Z axis		
	Access to Home (Menu>Tools>Cooling)			
TFT Request	Trigorilla Response	Meaning		
A25\r\n	J12\r\n	Set hotend cooling		

A25\r\n	J12\r\n	Set hotend cooling	
	Access to Hor	ne (Menu>Tools>Move Axis)	
TFT Request	Trigorilla Response	Meaning	
A21' 'C\r\n		Home all axis	
A22' 'X' '+10F1000\r\n	\r\n	Move X axis 10mm; Speed L	
A22' 'X' '-10F1000\r\n	\r\n	Move X axis -10mm; Speed L	
A22' 'X' '+10F3000\r\n	\r\n	Move X axis 10mm: Speed M	

AZZ A IOTIOOO (I (II	/ 1 / 11	Move X axis -1011111, Speed L
A22' 'X' '+10F3000\r\n	\r\n	Move X axis 10mm; Speed M
A22' 'X' '-10F3000\r\n	\r\n	Move X axis -10mm; Speed M
A22' 'X' '+10F5000\r\n	\r\n	Move X axis 10mm; Speed H
A22' 'X' '-10F5000\r\n	\r\n	Move X axis -10mm; Speed H
A22' 'Y' '+10F1000\r\n	\r\n	Move Y axis 10mm; Speed L
A22' 'Y' '-10F1000\r\n	\r\n	Move Y axis -10mm; Speed L
A22' 'Y' '+10F3000\r\n	\r\n	Move Y axis 10mm; Speed M
A22' 'Y' '-10F3000\r\n	\r\n	Move Y axis -10mm; Speed M
A22' 'Y' '+10F5000\r\n	\r\n	Move Y axis 10mm; Speed H
A22' 'Y' '-10F5000\r\n	\r\n	Move Y axis -10mm; Speed H
A22' 'Z' '+10F1000\r\n	\r\n	Move Z axis 10mm; Speed L
A22' 'Z' '-10F1000\r\n	\r\n	Move Z axis -10mm; Speed L
A22' 'Z' '+10F3000\r\n	\r\n	Move Z axis 10mm; Speed M
A22' 'Z' '-10F3000\r\n	\r\n	Move Z axis -10mm; Speed M
A22' 'Z' '+10F5000\r\n	\r\n	Move Z axis 10mm; Speed H
A22' 'Z' '-10F5000\r\n	\r\n	Move Z axis -10mm; Speed H
A22' 'X' '+1F1000\r\n	\r\n	Move X axis 1mm; Speed L
A22' 'X' '-1F1000\r\n	\r\n	Move X axis -1mm; Speed L
A22' 'X' '+1F3000\r\n	\r\n	Move X axis 1mm; Speed M
A22' 'X' '-1F3000\r\n	\r\n	Move X axis -1mm; Speed M
A22' 'X' '+1F5000\r\n	\r\n	Move X axis 1mm; Speed H
A22' 'X' '-1F5000\r\n	\r\n	Move X axis -1mm; Speed H
A22' 'Y' '+1F1000\r\n	\r\n	Move Y axis 1mm; Speed L
A22' 'Y' '-1F1000\r\n	\r\n	Move Y axis -1mm; Speed L
A22' 'Y' '+1F3000\r\n	\r\n	Move Y axis 1mm; Speed M
A22' 'Y' '-1F3000\r\n	\r\n	Move Y axis -1mm; Speed M
A22' 'Y' '+1F5000\r\n	\r\n	Move Y axis 1mm; Speed H
A22' 'Y' '-1F5000\r\n	\r\n	Move Y axis -1mm; Speed H
A22' 'Z' '+1F1000\r\n	\r\n	Move Z axis 1mm; Speed L
A22' 'Z' '-1F1000\r\n	\r\n	Move Z axis -1mm; Speed L
A22' 'Z' '+1F3000\r\n	\r\n	Move Z axis 1mm; Speed M
A22' 'Z' '-1F3000\r\n	\r\n	Move Z axis -1mm; Speed M
A22' 'Z' '+1F5000\r\n	\r\n	Move Z axis 1mm; Speed H
A22' 'Z' '-1F5000\r\n	\r\n	Move Z axis -1mm; Speed H
A22' 'X' '+0.1F1000\r\n	\r\n	Move X axis 0.1mm; Speed L
7.001 1771 1 0 4.74.000\ \	, ,	M

TFT Request	Trigorilla Response	Meaning
	Access to Ho	ome (Menu>Tools>Preheat)
AZZ Z ZU.IFSUUU\r\n	\r\n	Move Z axis -0.1mm; Speed H
A22' 'Z' '+0.1F5000\r\n A22' 'Z' '-0.1F5000\r\n	\r\n	Move Z axis 0.1mm; Speed H
A22' 'Z' '-0.1F3000\r\n	\r\n	Move Z axis -0.1mm; Speed M
A22' 'Z' '+0.1F3000\r\n	\r\n	Move Z axis 0.1mm; Speed M
A22' 'Z' '-0.1F1000\r\n	\r\n	Move Z axis -0.1mm; Speed L
A22' 'Z' '+0.1F1000\r\n	\r\n	Move Z axis 0.1mm; Speed L
A22' 'Y' '-0.1F5000\r\n	\r\n	Move Y axis -0.1mm; Speed H
A22' 'Y' '+0.1F5000\r\n	\r\n	Move Y axis 0.1mm; Speed H
A22' 'Y' '-0.1F3000\r\n	\r\n	Move Y axis -0.1mm; Speed M
A22' 'Y' '+0.1F3000\r\n	\r\n	Move Y axis 0.1mm; Speed M
A22' 'Y' '-0.1F1000\r\n	\r\n	Move Y axis -0.1mm; Speed L
A22' 'Y' '+0.1F1000\r\n	\r\n	Move Y axis 0.1mm; Speed L
A22' 'X' '-0.1F5000\r\n	\r\n	Move X axis -0.1mm; Speed H
A22' 'X' '+0.1F5000\r\n	\r\n	Move X axis 0.1mm; Speed H
A22' 'X' '-0.1F3000\r\n	\r\n	Move X axis -0.1mm; Speed M
A22' 'X' '+0.1F3000\r\n	\r\n	Move X axis 0.1mm; Speed M
A22' 'X' '-0.1F1000\r\n	\r\n	Move X axis -0.1mm; Speed L
A22' 'X' '+0.1F1000\r\n	\r\n	Move X axis 0.1mm; Speed L
A22' 'Z' '-1F5000\r\n	\r\n	Move Z axis -1mm; Speed H
A22' 'Z' '+1F5000\r\n	\r\n	Move Z axis 1mm; Speed H
A22' 'Z' '-1F3000\r\n	\r\n	Move Z axis -1mm; Speed M
A22' 'Z' '+1F3000\r\n	\r\n	Move Z axis 1mm; Speed M
A22' 'Z' '-1F1000\r\n	\r\n	Move Z axis -1mm; Speed L
A22' 'Z' '+1F1000\r\n	\r\n	Move Z axis 1mm; Speed L
A22' 'Y' '-1F5000\r\n	\r\n	Move Y axis -1mm; Speed H
A22' 'Y' '+1F5000\r\n	\r\n	Move Y axis 1mm; Speed H
A22' 'Y' '-1F3000\r\n	\r\n	Move Y axis -1mm; Speed M
A22' 'Y' '+1F3000\r\n	\r\n	Move Y axis 1mm; Speed M
A22' 'Y' '-1F1000\r\n	\r\n	Move Y axis -1mm; Speed L
A22' 'Y' '+1F1000\r\n	\r\n	Move Y axis 1mm; Speed L
A22' 'X' '-1F5000\r\n	\r\n	Move X axis -1mm; Speed H
A22' 'X' '+1F5000\r\n	\r\n	Move X axis 1mm; Speed H
A22' 'X' '-1F3000\r\n	\r\n	Move X axis -1mm; Speed M
A22' 'X' '+1F3000\r\n	\r\n	Move X axis 1mm; Speed M

TFT Request	Trigorilla Response	Meaning				
A23\r\n	OK\r\n	Preheat PLA				
A24\r\n	OK\r\n	Preheat ABS				
Access to Home (Menu>Tools>Filament)						
TFT Request	· · · · · · · · · · · · · · · · · · ·					
A16' 'C230\r\n		Filament In/Out; If temp. hotend<230°C				
A22' 'E' '+50F700\r\n	\r\n	Filament In; If temp. hotend>230°C. Every 1,1s				
-001 1-1 1 50-500)	V V					

7001 171 1 507700\ \						
A22' 'E' '-50F700\r\n	\r\n	Filament Out; If temp. hotend>230°C. Every 1,1s				
A19\r\n	\r\n	Stop				
A0\r\nA1\r\n	A0V' '230\r\nA1V' '' '' '0\r\n	Periodic hotend temp. update, every 1,1s				
Access to Home (Menu>Tools>Info)						
TFT Request	Trigorilla Response	Meaning				
A33\r\n	J33' 'V1.3.0\r\n	Ask for firmware version. Only updates version in display, remaning data is hardcoded.				

Access to Home (Menu>Tools>Level>Probing)					
TFT Request	Trigorilla Response	Meaning			
A30S\r\n	J26\r\n	Start probing process. First Trigorilla sends J26 and J25 85 secods after.			

 $J25\r\n$

\r\n

A31V' '-17.65\r\n\r\n

 $A31S-0.05\r\n$

 $A31D\r\n$

Access to Home (Menu>Tools>Level>Advanced setting)					
TFT Request	Trigorilla Response	Meaning			
A31G\r\n	A31V' '-17.65\r\n\r\n	Access to 'Advanced setting' option. Trigorilla sends Z offset (e.g17.65mm)			
A29' 'X0' 'Y0\r\n	A29V' '2799.50\r\n	Get info point 1 (X0,Y0), Trigorilla sends offset (displays 27.99)			
A29' 'X4' 'Y4\r\n	A29V' '21987.50\r\n	Get info point 25 (X4,Y4), Trigorilla sends offset (displays 219.87)			
A34' 'X4' 'Y4' 'V22012\r\n		Set offset point 25 (X4, Y4), TFT displays 220.12			
A31S0.05\r\n	A31V' '-17.60\r\n\r\n	Set offset (e.g. +0.05) to ALL points. TFT displays offset (-17.60).			

Set offset (e.g. -0.05) to ALL points. TFT displays offset (-17.65).

Push OK to confirm changes.