## Merging Technologies Sony P2 Slave implementation chart: Overview

This document describes how Pyramix, VCube and VT behave when RECEIVING Sony P2 commands Details about commands SENT by these devices are described in document 'Merging SonyP2 Master'

- O The command is fully supported and returns requested data when asked for
- X The command is not supported but can be redirected to another machine
- # The command is not supported and NAK Undefined command is sent back
- The command is not supported but an ACK is returned even it is not redirected to another machine
- The command behavior depends on some internal settings. More precise information is available in the "Details" pag
- x The command is not specified by Sony but is supported anyway.

Data	Sony P2 Command Name	Data	Returned Command	Pyramix	VCube	VT
00.0C	LOCAL DISABLE	10.01	ACK	Х	Χ	
00.11	DEVICE TYPE REQUEST	12.11	DEVICE TYPE RETURN	0	0	
00.1D	LOCAL ENABLE	10.01	ACK	Х	Χ	
20.00	STOP	10.01	ACK	O 1	0	
20.01	PLAY	10.01	ACK	O 1	0	
20.02	REC	10.01	ACK	O 1	0	
20.04	STANDBY OFF	10.01	ACK	Х	Χ	
20.05	STANDBY ON	10.01	ACK	Х	Χ	
20.0D	DMC START	10.01	ACK	-	-	
20.0F	EJECT	10.01	ACK	Х	Χ	
20.10	FAST FWD	10.01	ACK	O 1	0	
20.20	REWIND	10.01	ACK	O 1	0	
2X.11	JOG FWD	10.01	ACK	O 1	O 1	
2X.12	VAR FWD	10.01	ACK	O 1	O 1	
2X.13	SHUTTLE FWD	10.01	ACK	O 1	O 1	
2X.21	JOG REV	10.01	ACK	O 1	O 1	
2X.22	VAR REV	10.01	ACK	O 1	O 1	
2X.23	SHUTTLE REV	10.01	ACK	O 1	O 1	
20.30	PREROLL	10.01	ACK	O 1	0	
24.31	CUE UP WITH DATA	10.01	ACK	O 1	0	
20.34	SYNC PLAY	10.01	ACK	O 1	0	
20.37	CHASE ON	10.01	ACK	O ×	Ох	
21.38	PROGRAM PLAY +	10.01	ACK	O 1	0	
21.39	PROGRAM PLAY -	10.01	ACK	O 1	0	
20.3C	DMC PREROLL	10.01	ACK	Х	Χ	
20.40	PREVIEW	10.01	ACK	O 1	0	
20.41	REVIEW	10.01	ACK	O 1	0	
20.42	AUTO EDIT	10.01	ACK	O 1	0	
20.43	OUTPOINT PREVIEW	10.01	ACK	O 1	0	
20.4B	DMC RUN	10.01	ACK	-	-	
20.4C	DMC PREVIEW	10.01	ACK	-	-	
20.52	TENSION RELEASE	10.01	ACK	Х	Х	
20.54	ANTI-CLOG TIMER DISABLE	10.01	ACK	Х	Х	
20.55	ANTI-CLOG TIMER ENABLE	10.01	ACK	Х	Χ	
2X.5C	DMC SET FWD	10.01	ACK	-	-	
2X.5D	DMC SET REV	10.01	ACK	-	Ŀ	Ш
20.60	FULL EE OFF	10.01	ACK	0 1		Ш
20.61	FULL EE ON	10.01	ACK	O 1	-	Ш
20.63	SELECT EE ON	10.01	ACK	0 1	-	Ш
20.64	EDIT OFF	10.01	ACK	O 1		Ш
20.65	EDIT ON	10.01	ACK	0 1	0	Ш
20.6A	FREEZE OFF	10.01	ACK	Х	Χ	Ш
20.6B	FREEZE ON	10.01	ACK	Х	Χ	
44.00	TIMER-1 PRESET	10.01	ACK	Х	Χ	Ш
44.04	TIME CODE PRESET	10.01	ACK	Х	Х	

44.05	LIGERIO DIT PRECET	10.04		.,	_
44.05	USER'S BIT PRESET	10.01 ACK	X	X	Н
45.05	USER'S BIT WITH FLAG PRESET	10.01 ACK	X	X	lacksquare
40.08	TIMER-1 RESET	10.01 ACK	X	X	Ш
40.10	IN ENTRY	10.01 ACK	O 1	0	Ш
40.11	OUT ENTRY	10.01 ACK	O 1	0	Ш
40.12	A IN ENTRY	10.01 ACK	O 1	0	Ш
40.13	A OUT ENTRY	10.01 ACK	O 1	0	
44.14	IN DATA PRESET	10.01 ACK	O 1	0	
44.15	OUT DATA PRESET	10.01 ACK	O 1	0	
44.16	A IN DATA PRESET	10.01 ACK	O 1	0	
44.17	A OUT DATA PRESET	10.01 ACK	O 1	0	
40.18	IN SHIFT +	10.01 ACK	O 1	0	
40.19	IN SHIFT	10.01 ACK	O 1	0	
40.1A	OUT SHIFT +	10.01 ACK	O 1	0	
40.1B	OUT SHIFT	10.01 ACK	O 1	Ō	
40.1C	A IN SHIFT +	10.01 ACK	O 1	0	Н
40.1D	A IN SHIFT	10.01 ACK	0 1	0	
40.1B	A OUT SHIFT +	10.01 ACK	O 1	0	
	A OUT SHIFT		_		
40.1F		10.01 ACK	O 1	0	$\vdash\vdash$
40.20	IN RESET	10.01 ACK	X	X	$\vdash$
40.21	OUT RESET	10.01 ACK	X	X	ш
40.22	A IN RESET	10.01 ACK	X	X	Ш
40.23	A OUT RESET	10.01 ACK	Χ	Χ	ш
40.24	IN RECALL	10.01 ACK	Χ	Χ	
40.25	OUT RECALL	10.01 ACK	Χ	Χ	Ш
40.26	A IN RECALL	10.01 ACK	Х	Х	
40.27	A OUT RECALL	10.01 ACK	Χ	Χ	
40.2D	LOST LOCK RESET	10.01 ACK	Х	X	
4X.30	EDIT PRESET	10.01 ACK	O 1	O 1	
44.31	PREROLL TIME PRESET	10.01 ACK	0	0	
41.32	TAPE/AUTO SELECT	10.01 ACK	X	X	
41.33	SERVO REFERENCE SELECT	10.01 ACK	X	$\stackrel{\wedge}{X}$	H
41.34	HEAD SELECT	10.01 ACK	<u>^</u>	<u>^</u>	-
			<u>^</u>	<u>^</u>	
41.35	COLOR FRAME SELECT	10.01 ACK			$\vdash$
41.36	TIMER MODE SELECT	10.01 ACK	X	X	_
41.37	INPUT CHECK	10.01 ACK	Х	X	
41.38	PB FIELD/FRAME SEL	10.01 ACK		-	
41.3A	EDIT FILED SELECT	10.01 ACK	Χ	Χ	
41.3B	FREEZE MODE SELECT	10.01 ACK	Χ	Χ	
44.3C	POSTROLL TIME	10.01 ACK	-	-	
41.3D	PRE READ MODE SELECT	10.01 ACK	-	-	
4X.3E	REC INH PRESET	10.01 ACK	Χ	0	
4X.3F	Δt PLAY PRESET	10.01 ACK	-	_	
40.40	AUTO MODE OFF	10.01 ACK	Χ	Χ	
40.41	AUTO MODE ON	10.01 ACK	Χ	Χ	
40.42	SPOT ERASE ON	10.01 ACK	Х×	Χv	П
40.43	SPOT ERASE OFF	10.01 ACK		Χ×	Н
				-	H
40.44	AUDIO SPLIT ON	10.01 ACK	X	<u>X</u>	H
44.45	AUDIO SPLIT ON	10.01 ACK	Х	X	Н
40.46	VARIABLE MEMORY OFF	10.01 ACK	1	Щ	ш
40.47	VARIABLE MEMORY ON	10.01 ACK	ш	ш	ш
40.48	VIDEO REFERENCE DISABLE OFF	10.01 ACK		-	Ш
40.49	VIDEO REFERENCE DISABLE ON	10.01 ACK			Ш
4X.50	DA INPUT SELECT	10.01 ACK	-	-	
42.51	DA SYS EMPHASIS PRESET	10.01 ACK			
4X.54	EXTNDED DA INPUT SELECT	10.01 ACK		_ ]	
41.60	VITC BYPASS	10.01 ACK	-	_	
42.61	LTC GENERATOR MODE SELECT	10.01 ACK	-	-	
41.63	RECORD LTC SELECT	10.01 ACK	-	-	
42.70	VIDEO INPUT SELECT	10.01 ACK	-	-	
40.78	STORE OFFSET	10.01 ACK	0	Х	П
4X.91	OUTPUT VIDEO LEVEL	10.01 ACK			П
4X.92	OUTPUT SETUP (BLACK) LEVEL	10.01 ACK			Н
マハ・ジム	OUT OF OLIOF (DEAON) LEVEL	IV.VI AUN			

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4X.93	OUTPUT CHROMA LEVEL	10.01	ACK	-	-	
47.95	EXTENDED OUTPUT VIDEO LEVEL CONTROL	10.01	ACK	-	-	ш
4X.98	OUTPUT H PHASE	10.01	ACK	Х	Χ	ш
4X.99	OUTPUT SC PHASE	10.01	ACK	-	-	ш
4X.9A	OUTPUT VIDEO HUE	10.01	ACK	-	-	
4X.9B	OUTPUT VIDEO PHASE	10.01	ACK	Х×	Х×	
44.9C	OUTPUT SYSTEM PHASE	10.01	ACK	-	-	
41.9E	SUPERIMPOSE	10.01	ACK	-	-	
4X.9F	VIDEO CONTROL DATA SET	10.01	ACK	-	-	
4X.A0	AUDIO INPUT LEVEL	10.01	ACK	Х	Χ	
4X.A1	AUDIO OUTPUT LEVEL	10.01	ACK	Х	Χ	
4X.A2	AUDIO ADVANCE LEVEL	10.01	ACK	Хх	Χ×	
4X.A3	EXTENDED AUDIO INPUT LEVEL	10.01	ACK	-	-	
4X.A4	EXTENDED AUDIO OUTPUT LEVEL	10.01	ACK	-	-	
4X.A8	AUDIO OUTPUT PHASE	10.01	ACK	Х	Χ	
4X.A9	AUDIO ADVANCE OUTPUT PHASE	10.01	ACK	Хх	Χ×	
4X.AA	CROSS FADE TIME PRESET	10.01	ACK	Х	Х	
4X.AE	AUDIO MONITOR CHANNEL SELECT	10.01	ACK	-	-	
4X.AF	AUDIO CONTROL DATA SET	10.01	ACK	F	-	
4X.B8	LOCAL KEY MAP CONTROL	10.01	ACK	Χ	Χ	
42.F8	STILL OFF TIME	10.01	ACK	Х	X	
42.FA	STANDBY OFF TIME	10.01	ACK	Х	X	T
		74.08	GEN TC DATA	0	0	
		78.08	GEN TC & UB DATA	Ľ	_	Н
		74.09	GEN UB DATA	У.	- Х 1	$\vdash$
61.0A	TC GEN DATA SENSE	74.00	GEN GB BATA	A 1	Λ 1	
01.07	TO GEN DATA SENGE	74.00				_
		74.01				
		74.04				-
			TIMED 4 DATA	$\sim$		-
		74.00	TIMER-1 DATA	0	0	-
		74.01	LTC CORRECTED TIME DATA	X x	X x	-
		74.04	LTC TIME DATA	0	0	
		78.04	LTC TIME & UB DATA	-	-	_
		74.05	LTC UB DATA	X 1		
		74.06	VITC TIME DATA	0	0	<b>.</b>
61.0C	CURRENT TIME SENSE	78.06	VITC TIME & UB DATA	-	-	_
		74.07	VITC UB DATA	X 1	<b>X</b> 1	_
		70.0D	REQUEST TIME DATA MISSING	-	-	
		74.14	LTC INTERPOLATED TIME DATA	-	-	
		78.14	LTC INTERPOLATED TIME & UB DATA	-	-	
		74.16	VITC HOLD TIME DATA	-	-	
		78.16	VITC HOLD TIME & UB DATA	Ŀ	-	
60.10	IN DATA SENSE	74.10	IN DATA	O 1	0	
60.11	OUT DATA SENSE	74.11	OUT DATA	O 1	0	
60.12	A IN DATA SENSE		A IN DATA	O 1	0	
60.13	A OUT DATA SENSE	74.13	A OUT DATA	O 1	0	
61.20	STATUS SENSE	7X.20	STATUS DATA	O 1	O 1	
61.21	EXTENDED VTR STATUS SENSE	7X.21	EXTENDED VTR STATUS	#	#	
6X.23	SIGNAL CONTROL DATA SENSE	7X.23	SIGNAL CONTROL DATA	#	#	
61.24	SUPPORTED SIGNAL SENSE	7X.24	SUPPORTED SIGNAL	#	#	
62.25	VIDEO CONTROL DATA SENSE	7X.25	VIDEO CONTROL DATA	#	#	
62.26	AUDIO CONTROL DATA SENSE	7X.26	AUDIO CONTROL DATA	#	#	
6X.28	LOCAL KEY MAP SENSE	7X.28	LOCAL KEY MAP DATA	#	#	
61.2A	HM DATA SENSE	7X.2A	HM DATA	#	#	
60.2B	REMAIN TIME SENSE	76.2B	REMAIN TIME DATA	#	#	
60.2E	COMMAND SPEED SENSE	7X.2E	COMMAND SPEED DATA	#	#	
60.2F	VARIABLE MEMORY SPEED SENSE	4	VARIABLE MEMORY SPEED DATA	#	#	
6X.30	EDIT PRESET SENSE	7X.30	EDIT PRESET STATUS	0	0	Г
60.31	PREROLL TIME SENSE	74.31	PREROLL TIME DATA	#	#	T
60.32	TAPE/AUTO SENSE	71.32	TAPE/AUTO STATUS	#	#	I
60.33	SERVO REF SENSE	71.33	SERVO REF STATUS	#	#	H
60.36	TIMER MODE SENSE	71.36	TIMER MODE DATA	#	#	lacksquare
60.3C	POSTROLL TIME SENSE	74.3C		#	#	$\vdash$
00.00	I OUTNOLL HIVIL OLINOL	14.50	I GOTTOLL TIME DATA	π	π	

60.3E	RECORD INHIBIT SENSE	7X.3E	RECORD INHIBIT STATUS	#	#	$\neg$
60.3F	Δt PLAY PRESET SENSE	73.3F	Δt PLAY PRESET DATA	#	#	
60.50	DA INPUT SENSE	7X.50	DA INPUT STATUS	#	#	
60.51	DA SYS EMPHASIS SENSE	60.52	DA INP EMPHASIS SENSE	#	#	
60.53	DA PB EMPHASIS SENSE	7X.51	DA SYS EMPHASIS STATUS	#	#	
7X.52	DA INP EMPHASIS STATUS	7X.53	DA PB EMPHASIS STATUS	#	#	
6X.54	EXTENDED DA INPUT SENSE	7X.54	EXTENDED DA INPUT STATUS	#	#	
60.58	DA SAMPLING FREQ SENSE	71.58	DA SAMPLING FREQ STATUS	#	#	
60.60	VITC BYPASS SENSE	71.60	VITC BYPASS STATUS	#	#	
60.61	LTC GENERATOR MODE SENSE	72.61	LTC GENERATOR MODE STATUS	#	#	
60.62	VITC GENERATOR MODE SENSE	72.62	VITC GENERATOR MODE STATUS	#	#	
60.63	RECORD LTC SENSE	71.63	RECORD LTC STATUS	#	#	
60.70	VIDEO INPUT SENSE	72.70	VIDEO INPUT STATUS	#	#	
60.9E	SUPERIMPOSE SENSE	71.9E	SUPERIMPOSE STATUS	#	#	
60.AE	AUDIO MONITOR CHANNEL SENSE	74.AE	AUDIO MONITOR CHANNEL STATUS	#	#	
C2.26	GET STEM AND TRACK NAME	DX.26	STEM AND TRACK NAME DATA	Ох	#	
C2.27	GET STEM NAME	DX.27	STEM NAME DATA	Ох	#	
C2.28	GET TRACK NAME	DX.28	TRACK NAME DATA	Ох	#	
CX.30	SET CHANNEL INPUT/PLAYBACK STATE	10.01	ACK	Ох	#	
C2.31	GET CHANNEL INPUT/PLAYBACK STATE	DX.31	CHANNEL INPUT/PLAYBACK STATE	Ох	#	
CX.32	SET CHANNEL OFF/ON STATE	10.01	ACK	Ох	#	
C2.33	GET CHANNEL OFF/ON STATE	DX.33	CHANNEL OFF/ON STATE	Ох	#	
CX.34	SET CHANNEL SOLO STATE	10.01	ACK	Ох	#	
C2.35	GET CHANNEL SOLO STATE	DX.35	CHANNEL SOLO STATE	Ох	#	
CX.36	SET CHANNEL RECORD ENABLE	10.01	ACK	Ох	#	
C2.37	GET CHANNEL RECORD ENABLE	DX.37	CHANNEL RECORD ENABLE	Ох	#	
CX.38	SET CHANNEL RECORD SAFE	10.01	ACK	Ох	#	
C2.39	GET CHANNEL RECORD SAFE	DX.39	CHANNEL RECORD SAFE	Ох	#	
CX.3A	SET CHANNEL TRACK PUNCH ENABLE	10.01	ACK	Ох	#	
C2.3B	GET CHANNEL TRACK PUNCH ENABLE	DX.3B	CHANNEL TRACK PUNCH ENABLE	Ох	#	
CX.3C	SET CHANNEL SOLO SAFE	10.01	ACK	Ох		
C2.3D	GET CHANNEL SOLO SAFE	DX.3D	SET CHANNEL SOLO SAFE	Ох	#	

## Merging Technologies Sony P2 Slave implementation chart: Details

00.0C	LOCAL DISABLE		
00.11	DEVICE TYPE REQUEST	The Pyramix returned Device ID Data is F0B2 by default. Hovewer any other Device ID may be set in the settings. Moreover "Extended Device ID" may be activate in the settings allowing reporting some additional information like number of tracks and the device number (usefull when multiple Pyramix need to be differenciated)	The VCube returned Device ID Data is F0B0 by default. Hovewer any other Device ID may be set
00.1D	LOCAL ENABLE		
10.01	ACK		
11.12	NAK		
20.00	STOP	If the settings "Process only Edits" is set and the settings "Process Stop Anyway" is not set, this command is not processed. If Pyramix is in chasing (LTC, STC, VITC) and the settings "Safe chase is set" this command has no effect.	
20.01	PLAY	If the settings "Process only Edits" is set , this command is not processed. If Pyramix is chasing the command has no effect.	
20.02	REC	If the settings "Process only Edits" is set , this command is not processed.	
20.04	STANDBY OFF		
20.05	STANDBY ON		
20.0D	DMC START		
20.0F	EJECT		
20.10	FAST FWD	If the settings "Process only Edits" is set , this command is not processed. If Pyramix is chasing the command has no effect.	
20.20	REWIND		
2X.11	JOG FWD	If the settings "Process only Edits" is set , this command is not processed. When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set"	When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set"
2X.12	VAR FWD	If the settings "Process only Edits" is set, this command is not processed. When speed 0 is received, it stops the machine if the settings "interpret Jog(0) as a stop is set". If Pyramix is chasing the command has no effect. Max speed is 3x	When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set". Max speed is 3x

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2X.13	SHUTTLE FWD	If the settings "Process only Edits" is set, this command is not processed. When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set". If Pyramix is chasing the command has no effect. Max speed is 50x	When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set". Max speed is 50x
2X.21	JOG REV	If the settings "Process only Edits" is set, this command is not processed. When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set"	When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set"
2X.22	VAR REV	If the settings "Process only Edits" is set, this command is not processed. When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set". If Pyramix is chasing the command has no effect. Max speed is 3x	When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set". Max speed is 3x
2X.23	SHUTTLE REV	If the settings "Process only Edits" is set, this command is not processed. When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set". If Pyramix is chasing the command has no effect. Max speed is 50x	When speed 0 is received it stops the machine if the settings "interpret Jog(0) as a stop is set". Max speed is 50x
20.30	PREROLL	If the settings "Process only Edits" is set, this command is not processed. If Pyramix is chasing the command has no effect.	
	CUE UP WITH DATA		
24.31 20.34	SYNC PLAY		
20.34	CHASE ON		
21.38	PROGRAM PLAY +	If the settings "Process only Edits" is set, this command is not processed. If Pyramix is chasing the command has no effect.	
04	PROOPAN PLAY		
21.39	PROGRAM PLAY -		
20.3C	DMC PREROLL	If the settings "Process only Edits" is set, this command is not processed.	
20.40	PREVIEW	and command is not processed.	
20.41	REVIEW	<b> </b>	
20.42	AUTO EDIT	If the settings "Process only Edits" is set, this command is not processed. If Pyramix is chasing the command has no officet.	
20.43	OUTPOINT PREVIEW	effect.	
20.4B	DMC RUN DMC PREVIEW		
20.4C	TENSION RELEASE		
20.52 20.54	ANTI-CLOG TIMER DISABLE		
20.54	ANTI-CLOG TIMER ENABLE		
2X.5C	DMC SET FWD		<del></del>
2X.5D	DMC SET REV		
_,	:= :		

If the setting Filter monitoring commands is activated these commands			1	Ţ
20.60   FULL EE OFF				
These commands are able to be delayed by the approriate settings				
These commands are able to be delayed by the approriate settings  20.64 EDIT OFF  20.65 EDIT ON  20.6A FREEZE OFF  20.6B FREEZE ON  44.00 TIMER-1 PRESET  40.10 USER'S BIT PRESET  40.0B TIMER-1 RESET  40.10 IN ENTRY  40.11 OUT ENTRY  40.11 OUT ENTRY  40.12 A IN ENTRY  40.13 A OUT ENTRY  40.14 IN DATA PRESET  44.16 IN DATA PRESET  44.17 A OUT DATA PRESET  40.18 IN SHIFT +  40.19 IN SHIFT +  40.10 IN SHIFT +  40.10 AUT SHIFT +  40.11 AUT SHIFT +  40.12 AUT SHIFT +  40.13 AUT SHIFT +  40.14 IN SHIFT +  40.15 IN SHIFT +  40.16 IN SHIFT +  40.17 AUT SHIFT +  40.18 IN SHIFT +  40.19 OUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.11 AUT SHIFT +  40.12 AUT SHIFT +  40.12 AUT SHIFT +  40.13 AUT SHIFT +  40.14 AUT SHIFT +  40.15 AUT SHIFT +  40.16 AUT SHIFT +  40.17 AUT SHIFT +  40.18 AUT SHIFT +  40.19 AUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.11 AUT SHIFT +  40.12 AUT SHIFT +  40.12 AUT SHIFT +  40.13 AUT SHIFT +  40.14 AUT SHIFT +  40.15 AUT SHIFT +  40.16 AUT SHIFT +  40.17 AUT SHIFT +  40.18 AUT SHIFT +  40.19 AUT SHIFT +  40.19 AUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.11 AUT SHIFT +  40.12 AUT SHIFT +  40.12 AUT SHIFT +  40.13 AUT SHIFT +  40.14 AUT SHIFT +  40.15 AUT SHIFT +  40.16 AUT SHIFT +  40.17 AUT SHIFT +  40.18 AUS SHIFT +  40.19 AUT SHIFT +  40.19 AUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.11 AUT SHIFT +  40.12 AUT SHIFT +  40.12 AUT SHIFT +  40.13 AUT SHIFT +  40.14 AUT SHIFT +  40.15 AUT SHIFT +  40.16 AUT SHIFT +  40.17 AUT SHIFT +  40.18 AUT SHIFT +  40.19 AUT SHIFT +  40.19 AUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.11 AUT SHIFT +  40.12 AUT SHIFT +  40.12 AUT SHIFT +  40.13 AUT SHIFT +  40.14 AUT SHIFT +  40.15 AUT SHIFT +  40.16 AUT SHIFT +  40.17 AUT SHIFT +  40.18 AUT SHIFT +  40.19 AUT SHIFT +  40.19 AUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.10 AUT SHIFT +  40.11 AUT SHIFT +  40.12 AUT SHIFT +  40.12 AUT SHIFT +  40.13 AUT SHIFT +  40.14 AUT SHIFT +  40.15 AUT SHIFT +  40.16	20.60	FULL EE OFF	nave no effect	
These commands are able to be delayed by the approriate settings		FULL EE ON		
20.64   EDIT OFF	20.63	SELECT EE ON		
20.64   EDIT OFF			These commands are able to be delayed	
20.56		EDIT OFF		
20.68   FREEZE OFF			,	
20.68 FREEZE ON 44.00 TIMER-I PRESET 44.01 USER'S BIT PRESET 44.05 USER'S BIT PRESET 45.05 PRESET 40.08 ITMER-I RESET 40.10 IN ENTRY 40.11 OUT ENTRY 40.12 A IN ENTRY 40.13 A OUT ENTRY 41.14 IN DATA PRESET 44.15 OUT DATA PRESET 44.16 A IN DATA PRESET 44.17 A OUT DATA PRESET 44.18 OUT SHIFT + 40.19 IN SHIFT + 40.10 IN SHIFT + 40.10 IN SHIFT + 40.11 OUT SHIFT + 40.12 IN SHIFT + 40.14 IN SHIFT + 40.15 OUT SHIFT + 40.16 OUT SHIFT + 40.17 A IN SHIFT - 40.18 OUT SHIFT - 40.19 IN SHIFT - 40.10 A IN SHIFT - 40.11 A OUT SHIFT - 40.12 IN ESET 40.21 IN RESET 40.22 A IN RESET 40.22 A IN RESET 40.23 A OUT RESET 40.24 IN RESET 40.25 OUT RECALL 40.26 OUT RECALL 40.27 A OUT RECALL 40.27 A OUT RECALL 40.28 IN RECALL 40.29 LOST LOCK RESET 44.31 PREROLL TIME PRESET 44.31 PREROLL TIME PRESET 44.33 PREROLL TIME PRESET 44.33 PREROLL TIME PRESET 44.34 PREROLL TIME PRESET 44.35 SERVO REFERENCE SELECT 44.35 SERVO REFERENCE SELECT 44.36 SERVO REFERENCE SELECT 44.31 SERVO REFERENCE SELECT 44.33 SERVO REFERENCE SELECT 44.33 SERVO REFERENCE SELECT 44.33 SERVO REFERENCE SELECT				
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44.04   TIME CODE PRESET				
44.05 USER'S BIT PRESET  45.06 PRESET  40.08 TIMER-I RESET  40.10 IN ENTRY  40.11 OUT ENTRY  40.12 A IN ENTRY  40.13 A OUT ENTRY  40.14 IN DATA PRESET  44.15 OUT DATA PRESET  44.16 A IN DATA PRESET  44.17 A OUT DATA PRESET  40.18 IN SHIFT +  40.19 OUT SHIFT +  40.10 OUT SHIFT +  40.10 A IN SHIFT +  40.11 OUT SHIFT +  40.12 A IN SHIFT +  40.13 OUT SHIFT +  40.14 A OUT SHIFT +  40.15 A OUT SHIFT +  40.16 A OUT SHIFT +  40.17 A OUT SHIFT +  40.19 A OUT SHIFT +  40.10 A OUT SHIFT +  40.11 A OUT SHIFT +  40.12 A IN RESET  40.12 A IN RESET  40.21 OUT RESET  40.22 A OUT RESET  40.23 A OUT RESET  40.24 A IN RECALL  40.25 OUT RECALL  40.26 A IN RECALL  40.27 A OUT RECALL  40.28 A IN RECALL  40.29 A OUT RECALL  40.20 IN RECALL  40.21 A OUT SHESET  40.32 A OUT RESET  40.43 OUT RECALL  40.25 OUT RECALL  40.26 A IN RECALL  40.27 A OUT RESET  40.38 ESPION RESET  40.40 DISTRIB PRESET  44.31 PREROLL TIME PRESET  44.31 PREROLL TIME PRESET  44.31 PREROLL TIME PRESET  44.33 SERVO REFERENCE SELECT  44.33 ERVO REFERENCE SELECT  44.34 HAD SELECT  44.34 BAD SELECT  44.35 ERVO REFERENCE SELECT  44.36 ERVO REFERENCE SELECT  44.37 BERVO REFERENCE SELECT  44.38 ERVO REFERENCE SELECT  44.39 ERVO REFERENCE SELECT  44.31 BERVO REFERENCE SELECT  44.31 BEAD SELECT				
USER'S BIT WITH FLAG   PRESET				
## Support	44.05			
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Main			Both IN/OUT and A IN/OUT have the	
40.12   A IN ENTRY   Of the Pyramix's timeline			same behaviour; they set the mark in/out	
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44.15 OUT DATA PRESET 44.16 A IN DATA PRESET 44.17 A OUT DATA PRESET 40.18 IN SHIFT + 40.19 IN SHIFT   40.10 OUT SHIFT   40.10 OUT SHIFT   40.10 A IN SHIFT   40.11 A OUT SHIFT   40.10 A IN SHIFT   40.11 A OUT SHIFT   40.12 A OUT SHIFT   40.15 A OUT SHIFT   40.16 A OUT SHIFT   40.17 A OUT SHIFT   40.18 A OUT SHIFT   40.19 IN SHIFT   40.10 A IN SHIFT   40.10 A IN SHIFT   40.11 A OUT SHIFT   40.12 OUT RESET 40.21 OUT RESET 40.22 A IN RESET 40.22 A IN RESET 40.23 A OUT RESET 40.24 IN RECALL 40.25 OUT RECALL 40.26 A IN RECALL 40.27 A OUT RECALL 40.28 A IN RECALL 40.29 LOST LOCK RESET  Assemble, Insert, Video, TimeCode bits of this command have no effect. If data size is greater than 2 the Analog 1 and Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 1 and Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 1 and Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 1 and Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 2 bits of this command have no effect. If data size is greater than 2 the Analog 2 bits of this command have no effect. If data size is greater than 3 SERVO REFERENCE SELECT 41.33 SERVO REFERENCE SELECT 41.34 HEAD SELECT				
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	41.33	SERVO REFERENCE SELECT		
41.35 COLOR FRAME SELECT				
	41.35	COLOR FRAME SELECT		

44.00	TIMED MODE CELECT	
41.36	TIMER MODE SELECT	
41.37	INPUT CHECK	
41.38	PB FIELD/FRAME SEL	
41.3A	EDIT FILED SELECT	
41.3B	FREEZE MODE SELECT	
44.3C	POSTROLL TIME	
41.3D	PRE READ MODE SELECT	
4X.3E	REC INH PRESET	
4X.3F	Δt PLAY PRESET	
40.40	AUTO MODE OFF	
40.41	AUTO MODE ON	
40.42	SPOT ERASE ON	
40.43	SPOT ERASE OFF	
40.44	AUDIO SPLIT OFF	
44.45	AUDIO SPLIT ON	
40.46	VARIABLE MEMORY OFF	
40.47	VARIABLE MEMORY ON	
	VIDEO REFERENCE DISABLE	
40.48	OFF	
	VIDEO REFERENCE DISABLE	 
40.49	ON	
4X.50	DA INPUT SELECT	
42.51	DA SYS EMPHASIS PRESET	
4X.54	EXTNDED DA INPUT SELECT	
41.60	VITC BYPASS	
	LTC GENERATOR MODE	
42.61	SELECT	
41.63	RECORD LTC SELECT	
42.70	VIDEO INPUT SELECT	
40.78	STORE OFFSET	
4X.91	OUTPUT VIDEO LEVEL	
41/ 00		
4X.92	OUTPUT SETUP (BLACK) LEVEL OUTPUT CHROMA LEVEL	
4X.93	EXTENDED OUTPUT VIDEO	
47.95	LEVEL CONTROL	
4X.98	OUTPUT H PHASE	
4X.99	OUTPUT SC PHASE	
4X.9A	OUTPUT VIDEO HUE	
4X.9B	OUTPUT VIDEO PHASE	
44.9C	OUTPUT SYSTEM PHASE	
41.9E	SUPERIMPOSE	
	VIDEO CONTROL DATA SET	
4X.9F 4X.A0		
4X.A0 4X.A1		
	AUDIO OUTPUT LEVEL AUDIO ADVANCE LEVEL	
4X.A2		
4X.A3	EXTENDED AUDIO INPUT LEVEL	
471.710	EXTENDED AUDIO OUTPUT	
4X.A4		
	AUDIO OUTPUT PHASE	
	AUDIO ADVANCE OUTPUT	
4X.A9	PHASE	 
4X.AA	CROSS FADE TIME PRESET	
	AUDIO MONITOR CHANNEL	
	SELECT	
	AUDIO CONTROL DATA SET	
4X.B8	LOCAL KEY MAP CONTROL	

42.F8	STILL OFF TIME		
42.F8 42.FA	STANDBY OFF TIME		
	TC GEN DATA SENSE		
61.0A	GEN TC DATA		
74.08	GEN TC & UB DATA		
78.08	GEN UB DATA	Lloor Pita raturned are always 0	
74.09	CURRENT TIME SENSE	User Bits returned are always 0	
61.0C	TIMER-1 DATA		
74.00	LTC CORRECTED TIME DATA		
74.01	LTC TIME DATA		
74.04	LTC TIME & UB DATA		
78.04	LTC UB DATA	Lloor Pita raturned are always 0	
74.05	VITC TIME DATA	User Bits returned are always 0	
74.06			
78.06	VITC TIME & UB DATA VITC UB DATA	Lloor Pita raturned are always 0	
74.07	REQUEST TIME DATA MISSING	User Bits returned are always 0	
70.0D	REQUEST TIME DATA MISSING		
74.14	LTC INTERPOLATED TIME DATA		
7 1.11	LTC INTERPOLATED TIME & UB		
78.14	DATA		
74.16	VITC HOLD TIME DATA		
78.16	VITC HOLD TIME & UB DATA		
60.10	IN DATA SENSE		
60.11	OUT DATA SENSE	Both IN/OUT and A IN/OUT return the	
60.12	A IN DATA SENSE	mark in/out of the Pyramix's timeline	
60.13	A OUT DATA SENSE		
74.10	IN DATA		
74.11	OUT DATA		
74.12	A IN DATA		
74.13	A OUT DATA		
		disk based products: Tape Out, ServoRefMissing, Tape Trouble, Hard Error, Local, Standby, Eject, TSO Mode, Auto Mode, Freeze On, CF Mode, Search To Cue, Review Auto Edit, Preview, Preroll, Assemble Video, Lamp Still, Lamp Fwd, Lamp Rev, Srch LED 8, Srch LED 4, Srch LED 2, Sarch LED 1, Var Mem Mode, Var Mem Active, Audio	Returns from 1 byte to 9 byte of status bits depending of the request. Here is the list of existing status bits which are not relevant in the case of Merging hard-disk based products: Tape Out, ServoRefMissing, Tape Trouble, Hard Error, Local, Standby, Eject, TSO Mode, Auto Mode, Freeze On, CF Mode, Search To Cue, Review, Preroll, Video, A1, A2, A3, A4, Lamp Still, Lamp Fwd, Lamp Rev, Srch LED 8, Srch LED 4, Srch LED 2, Sarch LED 1, Var Mem Mode, Var Mem Active, Audio Split, Sync Act, Spot Erase, Buzzer, Lost Lock, Near EOT, EOT, CF Lock, Svo Alarm, Sys Alarm, Rec Inhib, Fnc Abort, Video Lack, Sync Lack, Rev Step, Fwd Step, dT Execute, dT Preview, dT Rec Ready, Slow Rec, Step Rec, Still Rec, dT Rec, dT Rec Step
61.20	STATUS SENSE		
7X.20	STATUS DATA		
61 21	EXTENDED VTR STATUS SENSE		
61.21	EXTENDED VTR STATUS		
7X.21	LAILINDED VIK STATUS		
6X.23	SIGNAL CONTROL DATA SENSE		

7X.23	SIGNAL CONTROL DATA	
61.24	SUPPORTED SIGNAL SENSE	
7X.24	SUPPORTED SIGNAL	
17.27	COLL CITIES CICILITE	
62.25	VIDEO CONTROL DATA SENSE	
7X.25	VIDEO CONTROL DATA	
62.26	AUDIO CONTROL DATA SENSE	
7X.26	AUDIO CONTROL DATA	
6X.28	LOCAL KEY MAP SENSE	
	LOCAL KEY MAP DATA	
61.2A	HM DATA SENSE	
7X.2A	HM DATA	
60.2B	REMAIN TIME SENSE	
76.2B	REMAIN TIME DATA	
60.2E	COMMAND SPEED SENSE	
7X.2E	COMMAND SPEED DATA	
60.2F	VARIABLE MEMORY SPEED SENSE	
υυ. <b>∠</b> Γ	VARIABLE MEMORY SPEED	
7X.2F	DATA	
6X.30	EDIT PRESET SENSE	
7X.30	EDIT PRESET STATUS	
60.31	PREROLL TIME SENSE	
74.31	PREROLL TIME DATA	
60.32	TAPE/AUTO SENSE	
71.32	TAPE/AUTO STATUS	
60.33	SERVO REF SENSE	
71.33	SERVO REF STATUS	
60.36	TIMER MODE SENSE	
71.36	TIMER MODE DATA	
60.3C	POSTROLL TIME SENSE	
74.3C	POSTROLL TIME DATA	
60.3E	RECORD INHIBIT SENSE	
7X.3E	RECORD INHIBIT STATUS	
60.3F	Δt PLAY PRESET SENSE	
73.3F	Δt PLAY PRESET DATA	
60.50	DA INPUT SENSE	
7X.50	DA INPUT STATUS	
60.51	DA SYS EMPHASIS SENSE	
60.52	DA INP EMPHASIS SENSE	
60.53	DA PB EMPHASIS SENSE	
7X.51	DA SYS EMPHASIS STATUS	
7X.52	DA INP EMPHASIS STATUS	
7X.53	DA PB EMPHASIS STATUS	
6X.54	EXTENDED DA INPUT SENSE	
7X.54	EXTENDED DA INPUT STATUS	
60.58	DA SAMPLING FREQ SENSE	
71.58	DA SAMPLING FREQ STATUS	
60.60	VITC BYPASS SENSE	
71.60	VITC BYPASS STATUS	
60.61	LTC GENERATOR MODE SENSE	
72.61	LTC GENERATOR MODE STATUS	
	VITC GENERATOR MODE	
60.62	SENSE	

72.62	VITC GENERATOR MODE STATUS		
60.63	RECORD LTC SENSE		
71.63	RECORD LTC STATUS		
60.70	VIDEO INPUT SENSE		
72.70	VIDEO INPUT STATUS		
60.9E	SUPERIMPOSE SENSE		
71.9E	SUPERIMPOSE STATUS		
7 1.02	AUDIO MONITOR CHANNEL		
60.AE	SENSE		
74.AE	AUDIO MONITOR CHANNEL STATUS		
C2.26	GET STEM AND TRACK NAME		
02.20	SET STEMPIND TO CONTINUE	Stem name is limited to the four first	
		characters and the track name is limited	
DX.26	STEM AND TRACK NAME DATA	to ten characters	
C2.27	GET STEM NAME		
		Stem name is limited to the first fiveteen	
DX.27	STEM NAME DATA	characters	
C2.28	GET TRACK NAME		
DV 20	TRACK NAME DATA	Track name is limited to the first fiveteen characters	
DX.28		characters	
CX.30	SET CHANNEL INPUT/PLAYBACK STATE		
07.100	GET CHANNEL		
C2.31	INPUT/PLAYBACK STATE		
DV 04	CHANNEL INPUT/PLAYBACK		
DX.31	STATE		
CX.32	SET CHANNEL OFF/ON STATE		
C2.33	GET CHANNEL OFF/ON STATE		
DX.33	CHANNEL OFF/ON STATE		
CX.34	SET CHANNEL SOLO STATE		
C2.35	GET CHANNEL SOLO STATE		
DX.35	CHANNEL SOLO STATE		
	SET CHANNEL RECORD		
CX.36	ENABLE DECORD		
C2.37	GET CHANNEL RECORD ENABLE		
DX.37	CHANNEL RECORD ENABLE		
CX.38	SET CHANNEL RECORD SAFE		
C2.39	GET CHANNEL RECORD SAFE		
DX.39	CHANNEL RECORD SAFE		
DA.39	SET CHANNEL TRACK PUNCH		
CX.3A	ENABLE		
	GET CHANNEL TRACK PUNCH		
C2.3B	ENABLE		
DX.3B	CHANNEL TRACK PUNCH ENABLE		
CX.3C	SET CHANNEL SOLO SAFE		
C2.3D	GET CHANNEL SOLO SAFE		
DX.3D	SET CHANNEL SOLO SAFE		

## Merging Technologies Sony P2 Slave implementation chart: Notes

If the checksum of the received command is not valid a NAK check sum command is returned

The details page describes the required conditions for the command to be executed. However depending of the status of the Pyramix and/or Vcube application at a given time, a particular command may not be executed at all. Example: a record command is received but no capture destination folder was properly set.

Merging products are hard-disk based computer products, and as such are not forced to take into account the Colour Frame Sequence of a Video stream (useful for edits). So in order for the SonyP2 controlled devices to lock correctly, they must have their Colour Framing mode disabled (2F).

Jog command needs the "Auto Jog on move" settings activated in order to jogging Pyramix when Jog data are reveived. The print screen below shows where this setting is available



When Pyramix is syncronize and a play command is sent, the Lock bit is reported as well. However Pyramix takes 2 frames in order the lock to the video reference become effective. During this time a short mute in the audio may