Stratos BakMonolith User's Manual

This card is suitable for converting 2.5 inc. SCSI HDD interface to 25pin SCSI connector. This card is provided as an experimental material, so you should take carefully and must read this manual with good understanding, in order to use this card correctly.

This card has electric current point. Do not touch and take away devices when the electricity is turned on.

If you had a defactive card, we exchange it.

Escape clause:

- --- Committing a mistake or an irregular action.
- ---Broken from disaster.
- --- Dropping down or sinking under water.
- --- Failure with misunderstanding this manual discription.

If you have a question, please mail to us:

support@artmix.com

Feature and limitation

This card is able to use with internal BUS Power (internal terminator power) when if CF PowerMonter or PowerMonster II is attached. The general 2.5 inc. HDD must need external power supply. The external power supply must have + in the center, and $2.1\text{mm}\ \phi$ connector. It's power must be the regulated 5V (switching power supply type) and good enough current to drive HDD.

To be depended on Model of Mac or Sampler shape, it does not fit directly. If so, you should connect the extention cable and gender changer adapter.

Assembly 2.5 inc. device and Set up Jumper

Assemble 2.5 inc SCSI device such as CF PowerMonter II with 3mm screws from back side.

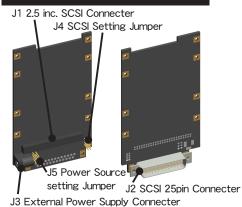
Set up J5 jumper. TP is function of BUS Power. DC is function of External Power. DO NOT be on TP and DC at the same time. RST is cansel /RESET of SCSI signal. Let it be on nomally.

J4 is set up SCSI ID and Terminator. DO NOT connect this card to RS-232C or Parallel port.

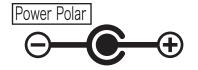
Connection to host machine

This card is able to connect to Macintosh SE, SE/30, Classic I/II, Mac II/x/cx/ci, LC I/II/III/475, Quadra 700, AKAI sampler directlly. Mac Plus, Mac Portable cannot use

BakMonolith Jumpers



External Power Supply Spec.



Connecter Size $2.1 \text{mm} \phi$ Power Voltage Regulated 5V

Example of Extention Cable



BUS Power cause of no internal terminator power.

About other Macintosh or E-mu Sampler, use extention cable. If using extention cable, be careful for trouble of short circuit or electric shock.

When power is turned on, DO NOT take off this devices phisycally and set up jumpers. DO NOT remodel this card and install to wrong interface, such as RS-232C.

2.5 inc. SCSI pin Assign

+5V MOTOR POWER	MOTOR RETURN	GND	NO	GND	RST	GND	/ATN	GND	GND	GND	POLAR KEY	GND	GND	GND	GND	GND	GND	LOGIC RETURN	+5V LOGIC POWER	ID 2	ID 0	NC	NC
39	37	35	33	31	29	27	25	23	21	19		15	13	11	9	7	5	3	1	7	5	3	1
40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	8	6	4	2
+5V MOTOR POWER	MOTOR RETURN	/REQ	/C/D	/SEL	MSG	/ACK	/BSY	TERM PWR	/DBP	/DB7	/DB6	/DB5	/DB4	/DB3	/DB2	/DB1	/DB0	LOGIC RETURN	+5V LOGIC POWER	LED (Cathode)	ID 1	/TRM OFF	NC

25 pin SCSI pin Assign

/DB7	/DB6	/DB5	/DB3	GND	200			/BSY	/ACK	/RST	///O	MSG	X E Q	j 1
13 \ (2	12 5) (2	(1) (4) (2	10	9) (E 21)	() (2)	7) (19	6) (8) (18	5) (17	4) (1	3 6) () (2 15) (14)	
7	_		DR I											

*Mac Plus or Mac Portable does not have internal Terminator Power

Example of Using (AKAI Sampler)



J5 Jumper Set Up

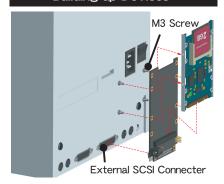
J5 JUMPER PIN

JO JUMPER PIN									
	/RST ON	/RST OFF							
RST		X							
	Internal PWR	External PWR							
DC	X		DC and TP JUMPER						
TP		×	DO NOT be on at the same time.						

J4 Jumper Set Up

			TRN	TRM							
		0	1	2	3	4	5	6	7	ON	윢
	1	X	0	X	0	X	0	X	0		
ſ	2	X	X	0	0	X	X	0	0		
Ī	4	X	X	X	X	0	0	0	0		
	Т									X	0

Building up Devices



Specification

Main Device	2.5 inc. SCSI Interface
Host Interface	25 pin D-SUB SCSI
Size	120(D)x 68(W)x 25.5(H)mm
Weight	About 50 g
Tolerance Temp.	0 ~ 40 °C
Tolerance Humd.	20 ~ 80%RH
Operation Volt.	DC +5V.+/-5%