

AKAI
professional

S11000

STEREO DIGITAL SAMPLER

WARNING

To prevent fire or shock hazard, do not
expose this appliance to rain or moisture.

Operator's Manual

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



- The lightning flash with the arrowhead symbol superimposed across a graphical representation of a person, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure; that may be of sufficient magnitude to constitute a risk of electric shock.



- The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

AKAI S1100 Software Version 1.0 Manual

Table of Contents

1 Introduction	1
About this Manual	1
WARRANTY	2
Copyright notice	3
WARNING	4
Protecting yourself and the S1100	
UK customers	
FCC warning	
Avis pour les acheteurs canadiens du S1100	
FÜR KUNDEN IN DER BUNDESREPUBLIK DEUTSCHLAND	
Features	7
Glossary	9
Button	
Crossfading	
Cursor	
Field	
Key	
Keygroup	
Keyspan	
LFO	
Looping	
Multisampling	
Operating system or Operating software	
Page	
Parameter	
Positional crossfading	
Program	
Sample	
Soft key	
Splicing	
Timecode	
Velocity crossfading	
Velocity zones	
Volume	
Front panel controls	13
Disk drive	
MAKING A COPY OF YOUR OPERATING SYSTEM DISK	
MAIN VOLUME	
REC GAIN	
REC LEVEL	
REC IN	
POWER SWITCH	
The display	
The CURSOR knob	
The DATA knob	
The number buttons	
The eight soft keys	
SELECT PROG	
EDIT SAMPLE	
EDIT PROG	
MIDI	
DISK	
MASTER TUNE	
DRUM	
UTILITY	
MARK/JUMP	
NAME	
ENT/PLAY	
The Rear Panel	21
Audio OUTPUT connections	
EFFECT SEND	
FOOT SW	
HEADPHONES OUT	
MIDI IN, OUT, THRU	
Setting up the S1100	23
Connections	
2 Sampler functions	24
SELECT PROG	24
Getting started and checking out — playing supplied factory samples	
Renumbering	
Programs with the same number	
Mixing sounds on the S1100	26
prog no:	
LEV:	

Table of Contents

O/P:	
STE:	
PAN:	
FXS:	
MIDI	27
prog no:	
CHA:	
RANGE:	
POL:	
PRI:	
OC:-	
Deleting programs	28
Using the S1100's multi-effects	30
prog:	
no:	
EFFECT NAME	
INT:	
Reverb effects	32
Chorus/Flanging effects	34
Pitch shifter	36
Delay (Echo)	36
MUTE (bypass)	38
Copying and moving effects around	
Disk operations	38
Conclusion	39
Recording samples	40
STEREO or MONO?	
REC1 parameters	
SOFT KEYS	
REC1	
REC2	
ED.1	
ED.2	
DIG1	
The REC2 page	
SOFT KEYS	
Recording	
Editing samples	46
LOOPING	
JOIN	
ED.2	
TIME	
Re-sampling	
Conclusion	
EDIT PROG	57
Keygroups	
SPAN	
FILTER	
ENV.1	
ENV2	
Choosing the samples for a keygroup	
SMP1	
The second sample page (SMP2)	
The third sample page (SMP3)	
MIDI in the EDIT PROG mode	
OUT	
Pitch	
Conclusion	
3 MIDI	70
BASIC MIDI	70
FILT	71
PPMs	71
Receive Monitor	72
TRAN	72
MIDI data dumps	73
SCSI	74
4 Disk operations	75
Loading from disk	75
type of load:	
S900 samples and programs	
Auto-loading	
Saving to disk	77

Table of Contents

REN	78
DEL	79
HDSK	79
FORM	81
5 MASTER TUNE	83
Tuning and transposing	83
TEMP	83
SOFT	84
6 DRUM	85
7 UTILITY (cue-list)	87
Blocks	88
The cursor	88
Getting around the cue list - using the numeric keypad	88
Cue list modes	89
PLAY	
EDIT	
SMPTE	
Editing cue lists	89
Playing the cue list	91
Grabbing times	93
SMPTE page	94
Saving cue lists	95
Loading cue lists	95
APPENDICES	96
Technical Specifications	96
MIDI IMPLEMENTATION CHART for S1100	97
S1100 PROGRAM CHART	98

1 Introduction

We at AKAI, and in particular the S1100 development team, would like to thank you for buying the Akai S1100, and hope that you will remain an AKAI player and user for a long time. As each unit is thoroughly tested and inspected before it leaves our factory, we are confident that you will enjoy years of service from this instrument.

Though we have taken great care in the manufacture of your AKAI sampler, any product which uses this level of technology may require servicing occasionally. The warranty below outlines your rights and responsibilities, and also mentions certain limitations and exclusions. Please read this warranty section carefully.

About this Manual

This manual has been arranged in an order which we hope will be useful in your initial experiments with the S1100, and then for future use afterwards, as you learn more functions. Since the bottom row of buttons under the display (SELECT PROG, EDIT SAMPLE, etc) correspond to logical operations within the S1100's software, the manual has been arranged for the most part in sections matching these buttons.

There are two major exceptions to this rule: this first section, "Introduction", which is both an introduction to the features and terminology of the S1100, and a guide to the operation of SELECT PROG — in other words, how to get your S1100 playing pre-recorded sample programs. Please take the trouble to read this section, as it explains basic terminology, operational concepts and shortcuts which you may not discover for yourself.

The second section, "Sampler Functions", covers the sampling and sample editing processes (EDIT SAMPLE), as well as the program editing functions (EDIT PROG). This chapter has been written from the "bottom up", *ie* from the process of recording a sample, through editing a sample, to putting together a program.

Other sections contain information on the use of disks, setting up drum settings with the Akai ME-35T, and the use of cue lists on the S1100 played from timecode.

At the end of this manual there is an index. If you can't find what you want in the Table of Contents, try the index. Most major entries are cross-referenced in a number of ways, for instance, "Velocity crossfading" may also be looked up under "Crossfading, Velocity".

As a final point, this manual assumes that you have a basic knowledge of MIDI and synthesizer terminology (*eg* you know what is meant by an "ADSR envelope" or a "Program Change message"). If you don't, there are many excellent books on the market which will guide you into the world of MIDI instruments and synthesizers. Get hold of one of these and read it before going much further with your S1100 — things will make a lot more sense after you've done this.

WARRANTY

AKAI Electric Co. Ltd warrants its products, when purchased from an authorized AKAI dealer, to be free from defects in materials and workmanship for a period of 12 (twelve) months from the date of purchase. Warranty service is effective and available to the original purchaser only, and only on completion and return of the AKAI Warranty Registration Card within 14 days of purchase.

Warranty coverage is valid for factory-authorized updates to AKAI instruments and their software, when their installation is performed by an authorized AKAI Service Center, and a properly completed Warranty Registration has been returned to the factory.

To obtain service under this warranty, the product must, on discovery of the defect, be properly packed and shipped to the nearest AKAI Service Center. The party requesting warranty service must provide proof of original ownership and date of purchase of the product.

If the warranty is valid, AKAI will, without charge for parts or labor, either repair or replace the defective part(s). Without a valid warranty, the entire cost of the repair (parts and labor) is the responsibility of the product's owner.

AKAI warrants that it will make all necessary adjustments, repairs and replacements at no cost to the original owner within 12 (twelve) months of the purchase date if:

- 1 The product fails to perform its specified functions due to failure of one or more of its components.
- 2 The product fails to perform its specified functions due to defects in workmanship.
- 3 The product has been maintained and operated by the owner in strict accordance with the written instructions for proper maintenance and use as specified in this Operator's Manual.

Before purchase and use, owners should determine the suitability of the product for their intended use, and the owner assumes all risk and liability whatsoever in connection therewith. AKAI shall not be liable for any injury, loss or damage, direct or consequential, arising out of the use, or inability to use the product.

The warranty provides only those benefits specified, and does not cover defects or repairs needed as a result of acts beyond the control of AKAI, including, but not limited to:

- 1 Damage caused by abuse, accident or negligence. AKAI will not cover under warranty any original factory disk damaged or destroyed as a result of the owner's mishandling.
- 2 Damage caused by any tampering, alteration or modification of the product: operating software, mechanical or electronic components.
- 3 Damage caused by failure to maintain and operate the product in strict accordance with the written instructions for proper maintenance and use as specified in this Operator's Manual.
- 4 Damage caused by repairs or attempted repairs by unauthorized persons.
- 5 Damage caused by fire, smoke, falling objects, water or other liquids, or natural events such as rain, floods, earthquakes, lightning, tornadoes, storms, etc.
- 6 Damage caused by operation on improper voltages.

IMPORTANT NOTE: This warranty becomes void if the product or its software is electronically modified, altered or tampered with in any way.

AKAI shall not be liable for costs involved in packing or preparing the product for shipping, with regard to time, labor or materials, shipping or freight costs, or time and expenses involved in transporting the product to and from an AKAI Authorized Service Center or Authorized Dealer.

AKAI will not cover under warranty an apparent malfunction that is determined to be user error, or the owner's inability to use the product.

THE DURATION OF ANY OTHER WARRANTIES, WHETHER IMPLIED OR EXPRESS, INCLUDING BUT NOT LIMITED TO THE IMPLIED CONDITION OF MERCHANTABILITY, IS LIMITED TO THE DURATION OF THE EXPRESS WARRANTY HEREIN.

AKAI hereby excludes incidental or consequential damages, including but not limited to:

- 1 Loss of time
- 2 Inconvenience
- 3 Delay in performance of the Warranty
- 4 The loss of use of the product
- 5 Commercial loss
- 6 Breach of any express or implied warranty, including the Implied Warranty of Merchantability, applicable to this product

Copyright notice

The AKAI S1100 is a computer-based instrument, and as such contains and uses software in ROMs and disks. This software, and all related documentation, including this Operator's Manual, contain proprietary information which is protected by copyright laws. All rights are reserved. No part of the software or its documentation may be copied, transferred or modified. You may copy the operating software and any samples, programs, etc contained on disks for your own personal use. All other copies of the software are in violation of copyright laws. You may not distribute copies of the software to others, or transfer the software to another computer by electronic means. You may not modify, adapt, translate, lease, distribute, resell for profit or create derivative works based on the software and its related documentation or any part thereof without prior written consent from AKAI Electric Co. Ltd, Tokyo, Japan.