

**SXDoc**

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# Chapter 1

## SXDoc

### 1.1 System-X BBS Software

```

      .------.
- - --| SYSTEM-X By Peter Zelezny |-- - -
      `-----'

      Email:      zed@mentasm.com
      WWW:        http://www.mentasm.com/~zed/

      Requirements
The UserBase Converters
      Function Keys
Using SX-Config
MCI - Control Codes
SX/Utils/
Door Support

      What are all the files?
The 'to do' list

```

### 1.2 The UserBase Converters

DD\_to\_SX - attempts to open "daydream:data/userbase.dat" and writes a converted SX userbase in ram:. If you want to use the new userbase, move it to SX:

MAXS\_to\_SX - must be run with arguments:

```

MAXS_to_SX <maxsbase>
eg:
MAXS_to_SX BBS:UserFiles/User.DATA
This will also write the SX userbase into RAM:

```

-- IMPORTANT --

If you are going to use a converted userbase, you must

make sure every access level your users may have is in SX-Config->Access prefs. Make sure all the ratios/conf-access is how you want it to be. Most importantly, turn \*ON\* the "Force this set on users" for every entry! This will make sure that all users get the correct and new ratios/confaccess when they next login.

## 1.3 Requirements

System-X requires:

- Workbench 2.0+
- reqtools.library 38+
- fifo.library/fifo-handler (for remote shell & stdio doors)
- a harddisk?
- an amiga!
- maybe a modem?
- some attention
- the occational feed
- the occational walk in the park

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## 1.4 MCI - Control Codes

Any text file may contain imbedded control sequences which will send out variable text or cause certain things to happen.

```
.-----  
| User Information Control Codes |  
\-----/
```

```
~N      User Name  
~IN     User Internet Name  
~RN     User Realname  
~UL     User Location  
~P      User Password  
~#      User Phone  
~TC     Total User Calls  
~LC     User Last Call to the system  
~M      User Message Posted  
~A      User Access Level  
~S      User Slot Number  
~CA     User Conf. Access  
~BR     User BaudRate  
~HW     User Computer Equipment  
~TL     User Initial Time Limit at logon in Minutes  
~TR     User Number of Mins Remaining today  
~UB     User Bytes Uploaded  
~DB     User Bytes Downloaded  
~FU     User Files Uploaded
```

```

~FD      User Files Downloaded
~BD      User Byte Download Limit
~LB      User Bytes Left (available for download)
~LF      User Files Left (available for download)
~BA      User Byte Ratio : 1
~FR      User File Ratio : 1
~LG      User Logged On-Node
~SL      User Screen Length
~US      User Upload Signature (Sent-By-Line)
~PR      User Protocol ID Letter
~PN      User Protocol Name
~MF      User MailScan Flag (either 'Yes', 'No', 'Ask')
~FF      User FileScan Flag (either 'Yes', 'No', 'Ask')

~MB      Current MsgBase name

~OD      Online Since Date
~OT      Online Since Time

```

NOTE: The above commands allow you to specify a width identifier before  
 ~~~~ the action test.. ie:  
 ~10N would only display the first 10 letters of the username.

```

-----
| MCI - System Specification |
-----

```

```

~SC      System Total calls
~CT      Show current Time
~DT      Show current Date
~LK      Last call to BBS (time & date)

```

```

-----
| MCI - Extra Specification |
-----

```

```

~SX_<str>\<func>\<extra>
      Executes a SX-Function, read SXFunctions.DOC.
      e.g.:

```

```

~SX_doors:mydoor.xim\120\0|

```

```

~SER      shows the state of the serial port. Either prints
           "Active" or "Quiet".
~CR      will wait for any key to be pressed.
~CR_Prompt will wait for and prompt the user to press any key.
           ie: ~CR_PressAnyKey
~SP      will do a standard pause, this is useful to put in
           between each ~SS command.
~SF      Space Free in current directory (bytes of space)

```

```

~<xx>SR_<screens>
      This allows you to have random textfiles by using this
      MCI Command. <xx> represents the maximal number of

```

---

random file you want to change. and <screens> is the full path to the textfiles you want to be random displayed. (without .TXT)

~SS\_Name      Show <name> file. This file may also be an MCI file.

WARNING: This command could cause a serious loop problem if  
~~~~~ you tell it to show the same file you are viewing.

```
*****
NOTE: ALL MCI COMMANDS MUST END WITH EITHER A SPACE OR A ' | ' SYMBOL
      ALL COMMANDS ARE CASE SENSITIVE!!!!!!!
*****
```

## 1.5 F-Keys available while a user is ONLINE only.

F1 - Chat in/out  
F2 - Increase On-line time limit +10 mins  
F3 - Decrease On-line time limit -10 mins  
F4 - n/a  
F5 - Local Shell  
F6 - Account Editing  
F7 - n/a  
F8 - n/a  
F9 - n/a  
F10 - Kick the current user.

## 1.6 SX/Utils - Extra utilities

MakeAC

DELETES your userbase and creates a new sysop account.  
Be carefull with this one!

SX\_CliMate

Allows you to communicate and manipulate SX nodes  
from CLI. Source code available on request.

ShitTerm

Simple terminal program with ansi emulation.  
(No Transfers) run ShitTerm <serialdevice> <unit>

SX\_CleanList

Removes files from filelists that cannot be found  
on your hdd. SX\_CleanList <conf> <dir>

---

## DD\_To\_SX

Converts userbase from DayDream to SX. Writes files to RAM:, so you must move them to SX: when finished.

## SAmiLog

SuperAmiLog - Last Callers program for AmiExpress and System-X.

## ddlist2axlist

Converts DayDream filelists to AmiExpress format (SX compatable)

## MAXS\_to\_SX

Converts MAXsBBS userbase to SX.

args:

MAXS\_to\_SX <maxsbase>

eg:

MAXS\_to\_SX BBS:UserFiles/User.DATA

The new SX userbase is written to RAM:, so move it to SX: when finished.

## UserEd

GUI user editor

## 1.7 Doors

AmiExpress Support (XIM)

AmiExpress AREXX (AIM)

DayDream (DDDP)

DayDream AREXX (DDRX)

Paragon/MAXsBBS Doors

Shell/STDIO/Dos Doors

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## 1.8 XIM Doors

System-X has 99% of XIM door commands supported, which means it'll run most AmiExpress doors. For information on programing XIM doors for SX, refer to [sx/developer/dev.guide](#).

AmiExpress doors that won't work:

- Who's online doors
- Message Base related doors

## 1.9 AIM Doors

AIM Doors are almost 100% supported, but you must get "rexdoor" from the AmiExpress archive and have RexxMaster running. Rexdoor should be in the utils/ directory of the archive.

## 1.10 DayDream Door Support

System-X also runs alot of Daydream doors. This section is still under development and will get better. If you find a Daydream door that will not work with SX properly, contact me and I'll add any necessary door commands to make it work.

## 1.11 DayDream AREXX Doors

SX will run Daydream AREXX doors. You will need the doors:Rexx program from the DayDream BBS archive and RexxMaster running.

## 1.12 Paragon/MAXsBBS Door Support

System-X runs 100% of Paragon doors and also supports many of the MAXsBBS extentions, including MAXsBBS auto inserts (in doors only).

## 1.13 Shell Doors

SX will run any STDIO/Shell door. Some auto inserts are available in the execution command:

```
%l  screen length
%s  user slot number
%h  user handle/alias
%n  user realname
```

for message editor only:

```
%f  filename to edit
%r  reply file
```

## 1.14 Using SX-Config

Most off SX-Config is quiet self-explanatory, just run it and a GUI will pop-up. Here are explained some of options/features which aren't so obvious:

```
Editing a Menu
Internal Map
```

---

## 1.15 Internal Map

This internal map is a list of commands that will be used by AmiExpress doors. eg: If a /X door wants to execute a command 'D', which is always download in /X, the internal map function for 'D' will be executed. So in the internal map you should have standard /X commands.

## 1.16 Editing a Menu

Menu Type:

Command: Will allow users to enter a command which is longer than 1 character and a carriage return must be pressed (like CLI)

HotKey: Only 1 keystroke is required in this menu.

Menu Ansi:

The filename of the ansi to show, no extension or path is required. This information is obtain from the displaymodes config. eg:

"Commands" might display "SX:Screens/Commands.ANS"  
(depending on the user's chosen displaymode)

Show 'Unknown Command' Text:

Complain if the user hits the wrong key?

Ignore Expert Mode:

Show the user the menu-ansi if they like it or not!

(CR) to Exit this Menu:

Hitting return will exit this menu and return to the previous menu

Activity Str:

The peice of text which will be shown in SX-MCP and WHOS ONLINE  
eg, "Main Menu"

Exec Args:

The extra peice of text which will be appended onto a door file,  
eg:

---

```
Exec Args:      UPLOADS
Door/String/File: Doors:STATSDOOR
```

SX would execute "Doors:STATSDOOR <node> UPLOADS" so that the door will receive "UPLOADS" as an argument.

MLine Args:

Fools door into thinking the user entered this argument at the menu prompt (command menus only)  
eg:

```
Command:      FILEPREFS
Door/String/File: Doors:AquaScan/AquaScan
MLine Args:    W
```

In this example, if the user enters "FILEHELP" they will get to change their filelist config, as if they typed "F W".

## 1.17 What are all these files?

SX (dir)

```
SX          - Node executable
SX-MCP      - Master Control Program - used to start SX
SX-Config   - Main Configuration Editor - GUI
```

Access (dir)

```
AREA.#?.info - For compatability with /X only.
```

Batch (dir)

```
LogOff.BAT  - Executed at every logoff
Stats.BAT   - Updates bulletins, run it!
```

Bulletins (dir)

```
Bulletin#?.ANS - Statistics ansi
```

Commands (dir)

```
#?.mnu      - run SX-Config to edit these
#?.prompt.ANS - ansi prompts (edit with CED etc)
```

Configs (dir)

```
#?          - for DayDream doors only
```

Confs (dir)

```
<confname> (dir)
dir1        - filelist for file area 1
dir2        - filelist for file area 2 . . .
paths       - list of filepaths for this conf
Join.ANS    - shown when joining conference
MsgBases.DAT - edit with SX-CONFIG
```

LogFiles (dir)

```
Upload.Log  - Upload Log (binary - not text)
Download.Log - Download Log (binary - not text)
Callers.Log - Callers Log (binary - not text)
```

NodeX (dir)

```
CallersLog  - AmiExpress style callers log (text)
```

Prefs (dir)

```
#?          - edit all these with SX-Config only!
```

Prefs (dir)

```
#?      - edit all these with SX-Config only!
Screens (dir)
#?.ANS   - Various ansi's, edit them!
TXT (dir)
#?      - Various ansi's (shown before a display
         mode is chosen) edit them!

Utils (dir)
```

## 1.18 SX:<confdir>/paths

The "SX:<confdir>/paths" file is a list of file directories for this conference. The first line in the file is the path for filearea 1 in this conference. The second line in the file is the path for filearea 2 in this conference etc etc.. Just edit it with a text editor and don't leave any blank lines in it.

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## 1.19 The 'to do' list

Things still to be done: (in 1.01 hopefully!)

- FidoNet
- Improve messaging in general
- Built in filelisters (so AquaScan can be dumped)
- File Attaching to messages
- Inactivity timeout warning (few seconds before hangup?)
- Fully Font Adaptive SX-Config (some of it is already!)
- Background upload checker

email zed@mentasm.com with other ideas.

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