

OS Allstars' MPX Project

User Manual

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Current Version: 1.0 [R1]

Last Updated: 11-Feb-21

MPX Startup

In the terminal, enter

```
gemu-system-i386 -nographic -kernel kernel.bin -s
```

to load the MPX Core.

Upon startup, you will be greeted by the MPX startup message:

```
Welcome to OS Allstar's MPX Project. Enter help for a list  
of commands.
```

```
>>
```

At this point the core has been booted and the MPX system is now waiting to receive user commands.

MPX Terminal

Any time you encounter “>>” followed by a blinking cursor, MPX is waiting for a command from the user.

This MPX implementation features a Linux-style command line menu system, simply type the desired command. The backspace key will delete the most recent typed character and the left and right arrow keys can be used to navigate the cursor through your input in the left and right directions, respectively. When you have typed the desired command, press enter to submit the request.

Currently no implemented commands have optional clauses, commands are as is. Later versions will document the handling of optional command clauses.

If your input was not recognized or otherwise determined invalid by the system, MPX will notify you.

Otherwise, your entered command will be handled appropriately.

MPX Commands (as of v1.0)

■ help

This command in its current iteration simply lists all the commands available to the user (similar to this section of the User Manual). As further version of the MPX system unfold this will most likely change to be followed by the command

you are looking for information about. For example, `help settime` would give the user information specifically about the `settime` command.

■ `version`

This command prints to the screen the current version of the MPX system, in this case v1.0

■ `shutdown`

This command will initiate the shutdown process for the MPX system. You will be asked to confirm your selection before the system shuts down.

■ `gettime`

This command will print the current time to the screen, as it is stored in the RTC registers

■ `settime`

This command will prompt the user to enter a user desired time, then set that value to the RTC registers

■ `getdate`

This command will print the current date to the screen, as it is stored in the RTC registers

■ `setdate`

This command will prompt the user to enter a user desired date, then set that value to the RTC registers