



Installing software updates on a Codex Studio system

This document describes how to install new versions of the Codex system software. These instructions apply to software versions 1.1.x and later.

Downloading the software from the Codex website

If you use a Windows PC to download the software package, which will have a filename ending in .tgz, be aware that the file may be saved as a .tar file by Windows. If this happens simply rename the file to restore the .tgz extension.

Copying the software onto the Codex system

Method A – USB memory stick

- Unload any Diskpacks and disconnect any external drives attached to the system
- Attach a USB keyboard to the system
- Switch to virtual console 1 by pressing CTRL+ALT+F1 at the same time
- At the prompt, log in as user `root` with password `codex` (default)
- Insert the USB memory stick
- If the directory `/mnt/external` doesn't exist, create it by typing:

```
mkdir /mnt/external <enter>
```

- Mount the memory stick using the command:

```
mount /dev/sdb1 /mnt/external <enter>
```

- Copy the software from the memory stick to the `/tmp` directory by typing:

```
cp /mnt/external/codex-1.1.0.tgz /tmp <enter>
```

- Unmount the memory stick using the command:

```
umount /mnt/external <enter>
```

- Remove the memory stick

Method B – CD

- Log into the system as outlined above in Method A
- Insert the CD into the drive
- If the Codex software is running, the CD will be automatically mounted as /mnt/cdrom. If the software isn't running, mount the CD using the command:

```
mount /mnt/cdrom <enter>
```

- Copy the software from the CD to the /tmp directory by typing:

```
cp /mnt/cdrom/codex-1.1.0.tgz /tmp <enter>
```

- If the Codex software is running, eject the CD by pressing the eject button. If the software isn't running, unmount the CD using the command:

```
umount /mnt/cdrom <enter>
```

and then eject the CD with the command:

```
eject <enter>
```

Method C – From a Windows PC over the network using Samba share

- This assumes you have your PC and Codex networking set up so that you can ping the Codex system, and you know the IP address of the Codex.
- Ensure that any connections to the machine (e.g. to the codexvfs directory) have been terminated.
- Using Tools / Map Network Drive in Explorer, enter '\\<ip address>\root' as the folder name. Click on different user name and enter 'root' as the username and 'codex' as the password.
- Drag and drop the new software into the 'tmp' directory on the Codex system.

Method D – From another machine over the network using SCP

- This assumes you have your PC and Codex networking set up so that you can ping the Codex system, and you know the IP address of the Codex.
- From a Unix or Mac system, copy the installer using SCP as follows:

```
scp codex-1.1.0.tgz root@192.168.0.1:/tmp <enter>
```

replacing 192.168.0.1 with the IP address of your Codex

- From a Windows system, you can use a graphical SCP program such as WinSCP. Follow the instructions with that program to drag and drop the installer into the /tmp directory on the Codex.

Installing the Codex software

These instructions assume that you have copied the tgz software package into the directory /tmp on the Codex, and that you are logged in as root as per Method A above.

- Type

```
cd /tmp <enter>
```

- Unpack the software using the command:

```
tar zxf codex-1.1.0.tgz <enter>
```

(substitute the name of the software package for this and all cases below)

- Eject any Codex Diskpacks
- Shutdown the Codex software by typing:

```
telinit 3 <enter>
```

- Change into the installer directory by typing

```
cd codex-1.1.0-inst <enter>
```

- Check for updated installation instructions:

```
more README <enter>
```

- Install the new software with the command:

```
./install <enter>
```

- Change back to the /tmp directory and remove the installation package:

```
rm -f codex-1.1.0.tgz <enter>  
rm -rf codex-1.1.0-inst <enter>
```

- Restart the Codex software by typing:

```
telinit 5 <enter>
```

- At this point the Codex UI should start
- Switch to virtual console 1 (CTRL+ALT+F1) and logout using the `logout` command
- Switch back to the Codex UI (CTRL+ALT+F7)