

Setup		
Action	Genbox-0.9	Genbox-1.x
Install	<pre>sh ./install.sh sudo /opt/genbox/bin/genbox-ng --image --download sudo /opt/genbox/bin/genbox-ng --image --set-default gbx-0.9</pre>	<pre>sudo ./genbox-installer /opt/genbox</pre>
Enter	<pre>sudo /opt/genbox/bin/genbox-ng</pre>	<pre>sudo /opt/genbox/sbin/genbox</pre>
Enter as user	Not applicable	<pre>sudo /opt/genbox/sbin/genbox -u</pre>
Uninstall	<pre>sudo rm -fr /opt/genbox/</pre>	<pre>sudo /opt/genbox/sbin/genbox-wipe</pre>

Package management	
Action	Genbox-0.9 and Genbox-1.x
Update packages repositories	<code>emerge --sync</code>
Update installed packages	<code>emerge -uDavn world</code>
Install package <code><pkg></code>	<code>emerge <pkg></code>
Install package <code><pkg></code> at version <code>N</code>	<code>emerge =<pkg>-N</code>
Uninstall package <code><pkg></code>	<code>emerge -C <pkg></code>
List all installed packages	<code>list</code>
List all files installed by package <code><pkg></code>	<code>equery files <pkg></code>
List with which USE flags package <code><pkg></code> is installed	<code>equery uses <pkg></code>
Find to which package belongs <code><file></code> file.	<code>equery belongs <file></code>
Find which package(s) depends on package <code><pkg></code>	<code>equery depends <pkg></code>
Handle configuration file updates	<code>etc-update</code>
Find packages matching <code><pattern></code>	<code>emerge -s <pattern></code>
Display path to the ebuild used to install package <code><pkg></code>	<code>equery which <pkg></code>

The previous commands are valid for host packages. For target packages, use:

- **xmerge** instead of **emerge**
- **xlist** instead of **list**
- **xquery** (*Genbox-1.x*) or **xexec equery** (*Genbox-0.9*) instead of **equery**
- **xtc-update** instead of **etc-update**



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Overlay management

Action	Genbox-0.9	Genbox-1.x
List available host* overlays	Not applicable	layman -L
List installed host* overlays	eov --list	layman -l
Update all host* overlays	Not applicable	layman -S
Update host* overlay <ov>	eov --sync <ov>	layman -s <ov>
Add overlay <ov>	eov --add <ov> --uri=<uri> --proto=<proto> --branch=<branch>	layman -a <ov>
Remove overlay <ov>	eov --rm <ov>	layman -d <ov>
Display information about overlay <ov>	Not applicable	layman -i <ov>

* To do the same actions for the target, use **xov** instead of **eov** for Genbox-0.9 and **xlayman** instead of **layman** for Genbox-1.x.

Target management

Action	Genbox-0.9 and Genbox-1.x
List available targets matching<pattern>	xtarget -pv <pattern>
List installed targets	xtarget -lv
Set <foo> as current target	xtarget -s <foo>
Sync target description overlay	xtarget --sync
Install target <tgt> for arch <arch>	xtarget -c -a <arch> <tgt>
Install target <tgt> at version 1.2.3 for arch <arch>	xtarget -c -a <arch> =<tgt>-1.2.3
Update target repositories	xmerge --sync*
Update target packages	xmerge -uDavn world
Install package <pkg> at version N	xmerge =<pkg>-N
Install masked** package <pkg>	FEATURES="nopackages" xmerge <pkg> xmerge --ignore-profile-version <pkg> (Genbox2016 only) xmerge -I <pkg> (Genbox2016 only)

* Currently, Genbox-1.x is unable to correctly sync a mercurial repository.

** Only valid for packages masked by version. It won't work with packages masked by 'corruption', 'missing keyword', 'license', 'eapi'...



Working with target

Action	Genbox-0.9	Genbox-1.x
Setup a shell with target environment	xshell	xshell
Test target ebuild <eb> installation	xbuild <eb> clean fetch unpack compile install	xbuild <eb> clean install
Add package <pkg> at version <ver> to target profile	echo "*"<pkg>" >> packages echo "="<pkg>-<ver>" >> packages	echo "*"<pkg>" >> packages echo "><pkg>-<ver>" >> package.mask
Update package <pkg> at version <ver+1> in target profile	Edit packages file	Edit package.mask file
Bump package <pkg> locally cloned in <src> directory	bosse -i <src>	Not ported yet
Bump target <tgt> based on template ebuild <eb>	xbump -u <eb> --tag	Not ported yet
Create a prebuilt for target<tgt> with architecture <arch>	xbuilder -a <arch> =<tgt>	xbuilder -a <arch> =<tgt>

Important files changes

Utility	Genbox-0.9	Genbox-1.x
Custom settings for Portage	/etc/make.conf	/etc/portage/make.conf
Symlink to profile	/etc/make.profile	/etc/portage/make.profile
Host overlay base directory	/usr/local/portage	/var/lib/layman/ (<i>configurable</i>)
Overlay manager configuration files	/etc/xov.conf	/etc/layman/layman.cfg
xbuild destination directory	\${ROOT}/work/\${CATEGORY}/\${PF}	\${ROOT}/xbuild/portage/\${CATEGORY}/\${PF}



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