

Setup

Action	Genbox-0.9	Genbox-1.x
Install	<pre>sh ./inst all.sh sudo /opt/genbox/bin/genbox-ng --image --download sudo /opt/genbox/bin/genbox-ng --image --set-default genbox-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 <pkg>	<code>emerge <pkg></code>
Install package <pkg> at version N	<code>emerge =<pkg>-N</code>
Uninstall package <pkg>	<code>emerge -C <pkg></code>
List all installed packages	<code>list</code>
List all files installed by package <pkg>	<code>equery files <pkg></code>
List with which USE flags package <pkg> is installed	<code>equery uses <pkg></code>
Find to which package belongs <file> file.	<code>equery belongs <file></code>
Find which package(s) depends on package <pkg>	<code>equery depends <pkg></code>
Handle configuration file updates	<code>etc-update</code>
Find packages matching <pattern>	<code>emerge -s <pattern></code>
Display path to the ebuild used to install package <pkg>	<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**



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= <ur i> --prot o=< pro to> --bran ch= <br anc h>	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 <pa tte rn>	xtarget -pv <pa tte rn>
List installed targets	xtarget -lv
Set <fo o> as current target	xtarget -s <fo o>
Sync target description overlay	xtarget --sync
Install target <tg t> for arch <ar ch>	xtarget -c -a <ar ch> <tg t>
Install target <tg t> at version 1.2.3 for arch <ar ch>	xtarget -c -a <ar ch> =<t gt> -1.2.3
Update target repositories	xmerge --sync*
Update target packages	xmerge -uDavn world
Install package <pk g> at version N	xmerge =<p kg>-N
Install masked** package <pk g>	FEATUR ES= " nop ack age s" xmerge <pk g> xmerge --igno re- pro fil e-v ersion <pk g> (Genbox2016 only) xmerge -I <pk g> (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	<code>xshell</code>	<code>xshell</code>
Test target ebuild <eb> installation	<code>xbuild <eb> clean fetch unpack compile install</code>	<code>xbuild <eb> clean install</code>
Add package <pk g> at version <ve r> to target profile	<code>echo " *<p kg> " >> packages</code> <code>echo " =<p kg> -<v er> " >> packages</code>	<code>echo " *<p kg> " >> packages</code> <code>echo " ><p kg> -<v er> " >> packag - e.mask</code>
Update package <pkg> at version <ve r+1> in target profile	Edit packages file	Edit packag e.mask file
Bump package <pk g> locally cloned in <sr c> directory	<code>bosse -i <sr c></code>	Not ported yet
Bump target <tg t> based on template ebuild <eb>	<code>xbump -u <eb> --tag</code>	Not ported yet
Create a prebuilt for target <tg t> with architecture <ar ch>	<code>xbuilder -a <ar ch> =<t gt></code>	<code>xbuilder -a <ar ch> =<t gt></code>

Important files changes

Utility	Genbox-0.9	Genbox-1.x
Custom settings for Portage	<code>/etc/m ake.conf</code>	<code>/etc/p ort age /ma ke.conf</code>
Symlink to profile	<code>/etc/m ake.pr ofile</code>	<code>/etc/p ort age /ma ke.p rofile</code>
Host overlay base directory	<code>/usr/l oca l/p ortage</code>	<code>/var/l ib/ layman/ (configurable)</code>
Overlay manager configuration files	<code>/etc/x ov.conf</code>	<code>/etc/l aym an/ lay man.cfg</code>
xbuild destination directory	<code>\${ROOT }/w ork /\${ CAT EGO RY} - /\${PF}</code>	<code>\${ROOT }/x bui ld/ por tag e/\${ CA TEG ORY }/\${PF}</code>

