WIRELESS CONTROL BOX

CONTROLS UP TO 10 NODES
PLAY/STOP TRIGGER FUNCTION

USES MODEL XBEE RADIO
VERSION 1 2.4GHz 1mW
FCC ID: OUR-XBEE
DIGI.COM FOR MORE INFO

MADE IN WEST YORKSHIRE
STUART CHILDS // DEC 2012

THIS HARDWARE IS OPENLY SHARED UNDER THE
CREATIVE COMMONS ATTRIBUTION 3.0 LICENSE
STUARTCHILDS.COM/MIBO FOR MORE INFORMATION

NODES:
☐ CONNECTED
☐ NOT CONNECTED
|1|2|3|4|5|6|7|8|9|10|

| PLAYING? | |VOL| RESET

MIN   MAX
VOLUME

PLAY   STOP

CHARGING   CHARGED   ON   POWER

DC 5V IN

MATERIAL: 3MM PLY

LASER KEY

——— VECTOR ETCH

——— RASTER ETCH

——— CUT FIRST

——— CUT SECOND

B.O.M.

M6 X 10MM BOLT   X4
M6 COUPLING NUT   X4
M6 X 45MM BOLT   X4
M3 X 20MM SCREW   X8
M3 NUT   X4
3MM PLASTIC RIVET   X4
M3 3MM PLASTIC SPACER   X4

POWER SWITCH: X1   http://www.rapidonline.com/Electronic-Components/SCI-Miniature-Toggle-Switch-SPST-On-Off-75-0125
RESET SWITCH: X1   http://www.rapidonline.com/Electronic-Components/Miniature-push-switches-64324
LED BEZEL: X3   http://www.rapidonline.com/Electronic-Components/5mm-Recessed-Bezel-LED-Holder-55-0275
2.1MM POWER SOCKET X1   http://uk.farnell.com/schurter/4840-2200/socket-dc-power-2-1mm-0-5a/dp/1137744?Ntt=1137744
LCD SCREEN   X1   http://www.oomlout.co.uk/-p-212.html
ARCADE BUTTON   X2   http://www.oomlout.co.uk/arcade-buttons-x4-green-blue-yellow-pink-p-281.html
10K POTENTIOMETER X1   http://www.oomlout.co.uk/potentiometers-10k-ohm-x3-p-216.html
5MM LED X3

(OPTIONAL)
ARDUINO UNO
SPARKFUN XBEE SHIELD + DIGIKEY XBEE MODULE
OOMLOUT PROTOTYPING SHIELD

INFO:

- SEE HTTP://STUARTCHILDS.COM/MIBO FOR MORE INFORMATION ON THE PROJECT
- BOX BASED ON DESIGN BY OOMLOUT - SEE http://oomlout.co.uk/?p=434/ FOR ORIGINAL
- HINGE BASED ON DESIGN ORIGINALLY SHARED BY SNIJLABS - SEE http://www.thingiverse.com/thing:12707 FOR ORIGINAL

Scale : line below is 100mm long