

XBOX 360

Ragnarok 2.0

Solderless Modchip

Special Factory Instructions



Revised 10/23/2014



Introduction

The Viking “Ragnarok” software platform includes special provisions for mod shops that sell pre-modded gaming controllers. The mod chip allows the mod shop to lock or unlock only those features that the end customer has purchased.

This manual contains instructions for some of the factory functionality of the mod chip.

Factory Lock/Unlock Programming

The mod shop must decide which mods will be unlocked for the customer. When the mod chip is powered up for the first time, it enters a special factory programming mode. The mod chips begins by asking if basic rapidfire should be unlocked. On first power-up, LED2 will display solid to let you know it's ready for you to select which mods should be locked or unlocked. The lock/unlock information is programmed one-by-one with the following sequence:

<u>Flash Sequence</u>	<u>Mod</u>
1 flash	Rapid fire
2 flashes	Dual-trigger Rapid Fire
3 flashes	Jitter
4 flashes	Akimbo Rapidfire
5 flashes	Burst Rapidfire
6 flashes	Hybrid Optic Rapidfire (currently unavailable)
7 flashes	Dropshot/Jumpshot
8 flashes	Fast Reload
9 flashes	Quick Scope
10 flashes	Sniper Breath Hold
11 flashes	Zombie auto aim
12 flashes	Auto Spot
13 flashes	Auto Sprint
14 flashes	Turbo Melee
15 flashes	Selectable Button Layouts
16 flashes	Programmable Re-mappable Buttons

To unlock a mod, press the Button Y button. LED2 will flash once to indicate that it accepted your input and unlocked the mod. To lock a mod, press the Button A button. LED4 will flash once to indicate that it accepted your input and locked the mod. LED3 will flash the sequence of the next mod to be locked/unlocked.



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If at any time you realize you have entered an incorrect lock/unlock, you may press the mod switch (D-Pad down) to start over again at the beginning. Once the final mod on the list has been locked/unlocked, the changes become permanent and cannot be changed unless a master password reset is issued.

Master Password Reset

The lock/unlock information in the mod chip can be erased by entering an 8-byte password. The password can contain the numbers 0-9, or the letters A-F. You must contact Viking for your specific master password. The password should be kept in a secure, secret place and only shared with the most trusted staff. It is typically wise to have staff execute special legal agreements with the company to further protect the master reset password.

The master reset password input menu can be accessed by doing the following: Hold the mod switch and tap the Sync button. All four LED's will turn on WHITE. The mod is now awaiting further input. Hold Back Button, hold mod switch, and then tap the Button A button. The LED's will quickly blink a red-green-blue sequence and then go dark. The mod is now waiting for you to enter an 8-byte password. Each button represents a character or letter in the password:

<u>Button</u>	<u>Password Number</u>
D-Pad Up	0
Right Stick Center	1
D-Pad Left	2
Left Stick Center	3
D-Pad Down	4
Button Y	5
Left Bumper	6
D-Pad Right	7
Right Bumper	8
Button X	9
Sync Button	A
Back Button	B
Button A	C
Button B	D
Right Trigger	E
Left Trigger	F

For example, if your password is "00110011", then you would press this button combination to reset the lock/unlock information:



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d-pad up, d-pad up, right stick, right stick, d-pad up, d-pad up, right stick, right stick

After each button press the mod will blink to indicate that it accepted your input.

Upon a successful password entry the mod chip will erase all lock/unlock information, reboot the mod, and enter the factory lock/unlock programming menu again.

Upon a rejected password entry, the modchip will exit the menu.

Global Mod Reset

In the event that a customer is confused and needs to reset all mods to the default values, there is a global mod reset function. To reset all mods, modes, speeds, and delays to the factory default, follow these instructions: hold the mod switch and tap the Sync button and then release both buttons. All three LED's will glow, the mod is now awaiting further input. Hold the Back button and then tap D-Pad down. A special blinking LED sequence will play back, the mod will erase and reprogram itself to the factory default settings, and then reboot the mod. This Global Mod Reset does NOT affect the lock/unlock information. The only way to modify the lock/unlock information is to perform a master password reset.