

# Quick Instruction Guide

Savonia Excavator



## Specifications

- Scale: 1:14 compared to 50-Ton excavator
- Electric motors for Cabin turning and for both crawlers.
- Electric motor-powered hydraulic system max 40 Bar
- Scale operator station (can fit a driving figure)
- Efficient undercarriage
- Reliable upgraded hydraulic valve and adjustable pump
- Cabin rotating (in degrees) - unlimited
- Massive full brushless system (including driving & turning)
- Battery: Rechargeable Lead Acid Battery 12V/9AH
- Battery compartment size: 180×60×35 mm
- Weight: 25 Kg

**Use safety goggles for hydraulic hose breaks!**

**Also the people around the machine.**

## HOW TO OPERATE THE EXCAVATOR

1. Press controller ON
2. Turn on machine
3. Turn Hydraulic Pump on 50 %



### TO TURN ON EXCAVATOR

- release red button by turning it. Excavator is now armed.
- push blue button to start power.
- to STOP, press emergency button down.

4. Drive the excavator

ENJOY!

5. STOP excavator into this position!



*Figure 1 Excavator shutdown position*

6. Turn hydraulic pump OFF

7. PRESS EXCAVATOR EMERGENCY BUTTON DOWN – IT SHUTS DOWN MACHINE POWER!

8. Turn OFF controller!

**IF YOU DON'T FOLLOW MACHINE SHUT DOWN INSTRUCTION, IT CAN CAUSE CENTER ROTATION BREAKING OR OTHER ACCIDENTS, SO BE CAREFUL!**

**IF THERE IS HYDRAULIC OIL LEAK, STOP PUMP IMMEDIATELY!**





1. Joystick – Left/Right (Move scoop), Up/Down (First boom up/down)
2. Joystick – Left/Right (Rotate cabin), Up/Down (Tilt boom up/down)
3. Extra valve for extra tool – Up/Down (Example rotate gripper frame)
4. Extra valve for extra tool – Up/Down (Example open/close gripper)
5. Hydraulic pump – OFF/50% /100%
6. Under controller – Analog input - Front/Rear - (Drive right track forward/reverse)
7. Under controller – Analog input - Front/Rear - (Drive left track forward/reverse)
8. Excavator with extra boom tilt – Up/Down – (Tilt extra boom up/down)