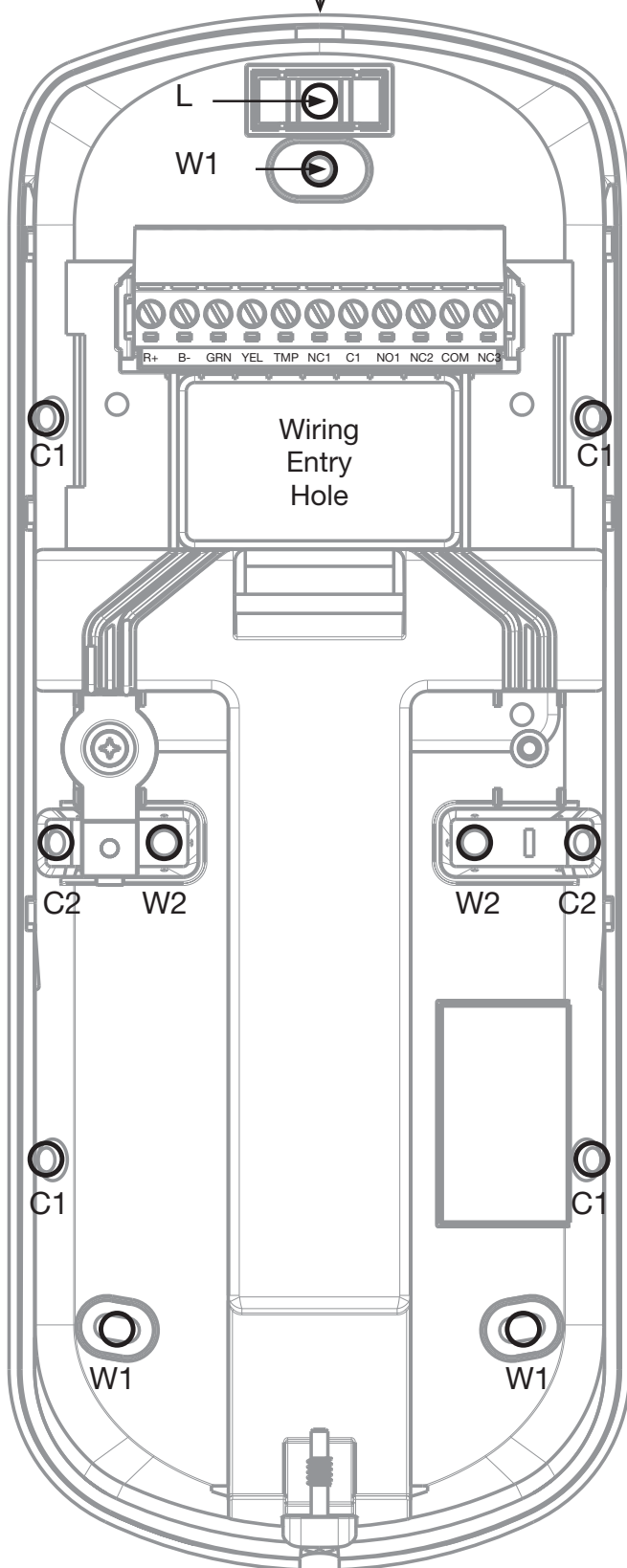# NVX80 V1.07 Installation Quick Start

ENVY
SERIES

Important: Keep a 20 mm/0.80 in clearance from the top of the unit's plastic casing to the ceiling or object placed above the unit.

L
W1

R+ B- GRN YEL TMP NC1 C1 NO1 NC2 COM NC3

C1   C1

Wiring
Entry
Hole

C2   W2   W2   C2

C1   C1

W1   W1

Legend

L – Level

W1 – Wall installation

W2 – Wall Tamper Installation

C1 – Corner-Mount Installation

C2 – Corner-Mount Tamper Installation

Installation Steps

1. Loosen the tamper screw found at the bottom of the unit.

2. Separate the back cover from the unit.

3. Drill or punch out the appropriate knock-out holes for either a wall or corner installation, refer to the installation legend above.

4. Make sure to allow for 20 mm/0.80 in of space between the top of the unit and a ceiling or object found above it.

5. Mark your selected location using the back cover of the unit as a template.

6. Drill holes into the wall surface.

7. Thread the wires through the wire entry hole.

8. Secure the back cover of the unit to the wall surface using mounting screws appropriate for the specific installation.

9. Slide the front section of the unit into place on the back cover of the unit. If the wires are connected to electricity, then the power up sequence will automatically start.

10. Ensure that the outer rim of the unit is tightly joined, so that waterproof casing is not compromised.

11. While the tamper screw at the bottom of the unit is open, begin the power up process and access the menus to change any sensitivity or other settings, then press OK to save the altered settings.

12. Tightly close the tamper screw found at the bottom of unit and put the detector into operation mode.

For the complete manual visit www.paradox.com.

P ▲ R ▲ D O X™

Installation Do's and Don'ts

Do
- Do ensure that the unit's detection beams are perpendicular to the anticipated movement.
- Keep a minimum distance between adjoining NVX80 detectors to prevent MW cross interference, see the beam pattern diagram.
- Do place the unit under a roof, awning, or use our all-weather cover for an outdoor installation.
- Do install the within the suggested range: installing the unit lower than 2.5 m/8 ft 2 in may compromise the Pet Immunity capability, installing over 3.0 m/9 ft 8 in may require use of our swivel bracket adjusted downward shifting the Pet Immunity beam and neutralizing the creep zone. Installing the unit over 3.0 m/9 ft 8 in does not affect the creep zone.

Don't
- Don't direct the unit's beams into swaying trees or bushes.
- Don't place the detector facing direct sunlight or near a heat source , as it might interfere with the Active IR anti-mask feature.
- Don't place any objects, such as shelves, ledges or plants, below the unit.
- Don't place any reflective objects within 2m/6ft 6in of the unit, as this may interfere with the MW anti-mask capabilities.

Mounting Considerations

The optimal installation height for the NVX80 is 2.5 m to 3.0 m (8 ft 2 in to 10 ft).

2.5 m - 3.0 m
(8'2'' - 10')
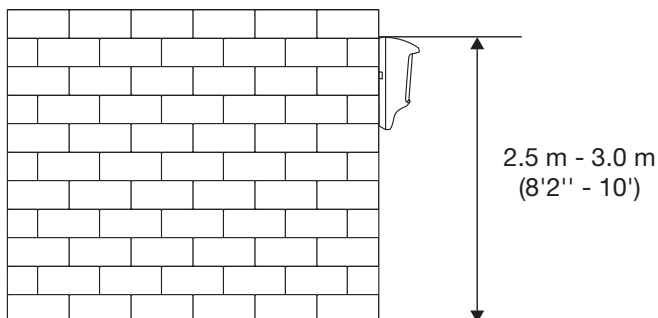
If the installation site is near heavy traffic or objects beyond the required detection range, adjust the MW sensitivity and/or tilt the detector down.
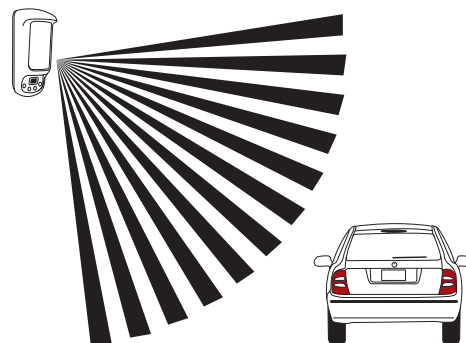
Avoid installing the detector near moving objects (e.g., swaying trees, bushes, etc.).
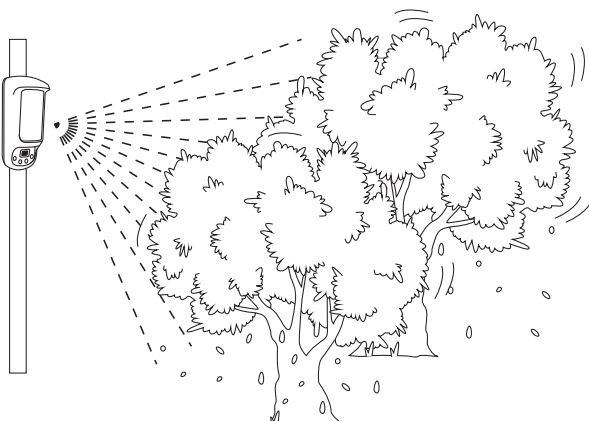
In order to maximize detection efficiency, choose a location that is most likely to intercept intruders moving across the coverage area at a 45 degree angle.
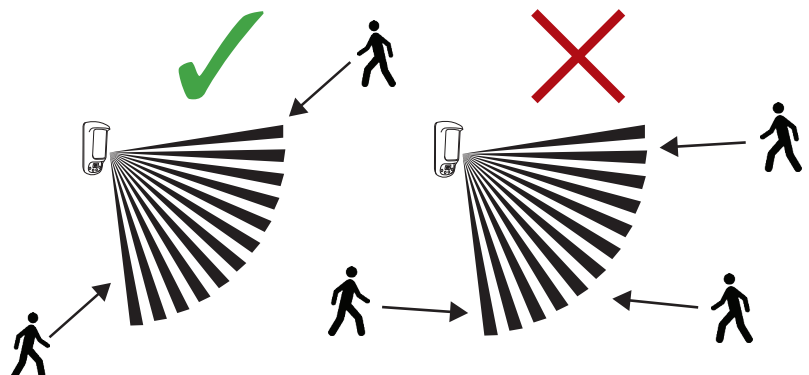
Firmware Upgrades

Use the diagram below to upload firmware upgrades.

Connecting to the Bus

Connecting to the Digiplex bus is quite straight forward. Insert the wires into their respective slots Red (R+), Black (B-), Green (GRN) and Yellow (YEL).

P ▲ R ▲ D O X™

Menu Overview

Menu

SeeTrue
- Idle ✓
- Secure
- Sterile

PIR
- PIR Sensitivity → - 1 2 **3** 4 5 +
  - Sensitivity
- Security Level
  - Normal ✓
  - Medium
  - High
- Pet Immunity
  - Off
  - Small Pet
  - Large Pet ✓
- Creep Zone → **-Off** 1 2 3 4 5 +
  - Creep Zone Off
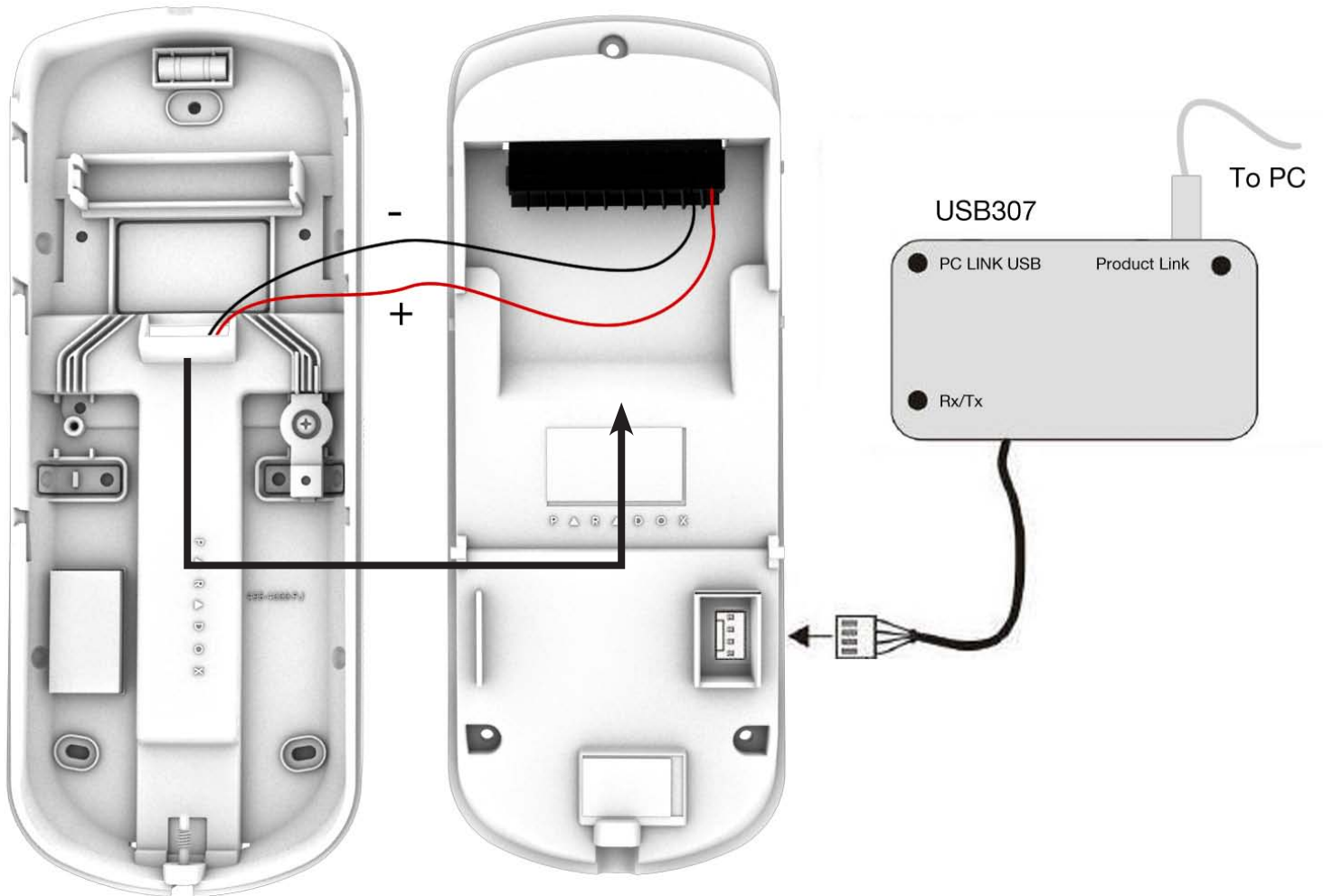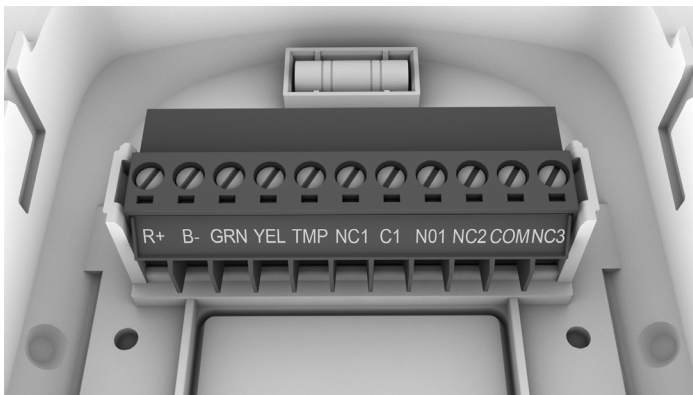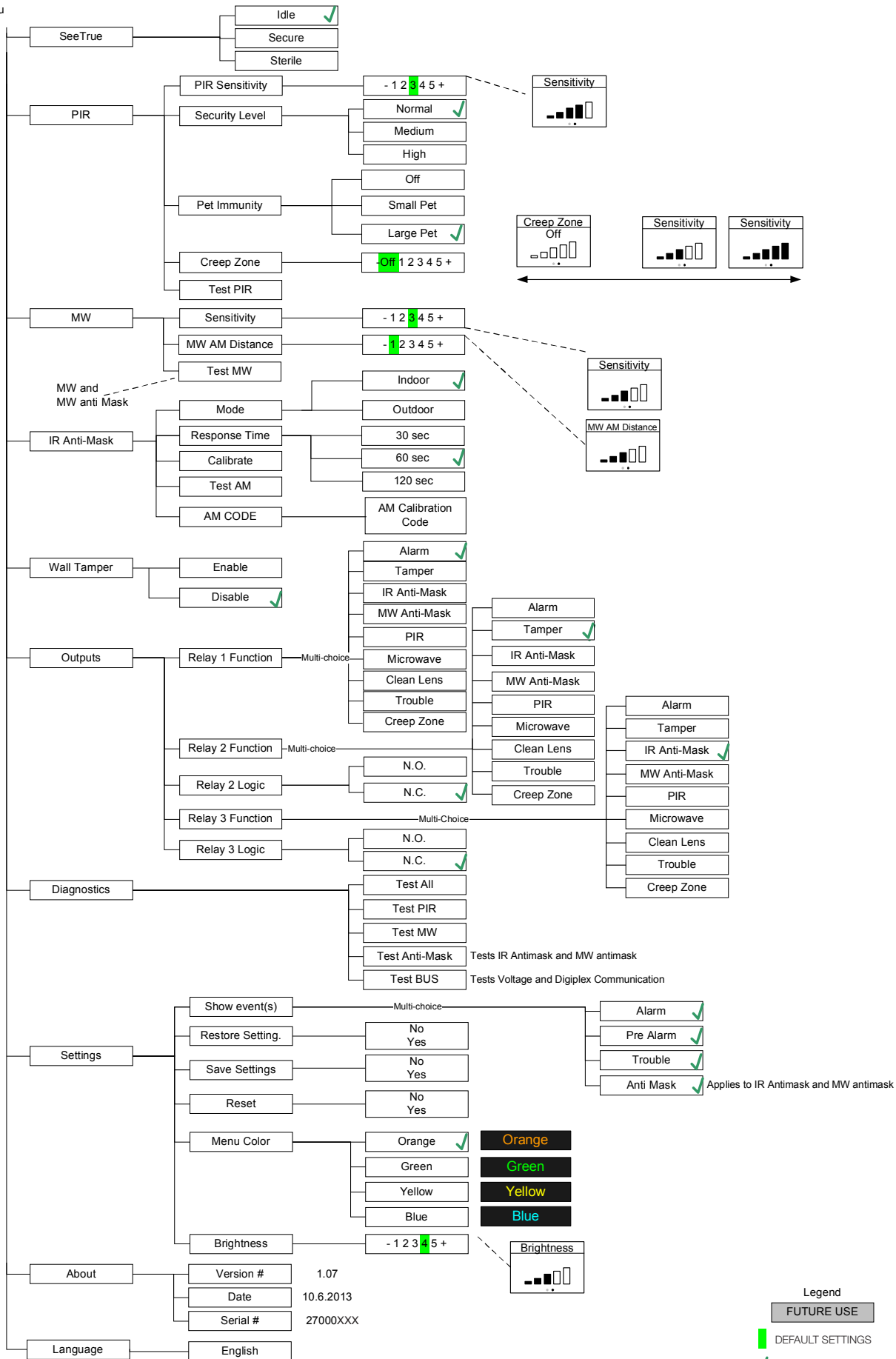 - Sensitivity
  - Sensitivity
- Test PIR

MW
- Sensitivity → - 1 2 **3** 4 5 +
  - Sensitivity
- MW AM Distance → - **1** 2 3 4 5 +
  - MW AM Distance
- Test MW

MW and MW anti Mask

IR Anti-Mask
- Mode
  - Indoor ✓
  - Outdoor
- Response Time
  - 30 sec
  - 60 sec ✓
  - 120 sec
- Calibrate
- Test AM
- AM CODE → AM Calibration Code

Wall Tamper
- Enable
- Disable ✓

Outputs
- Relay 1 Function — Multi-choice
  - Alarm ✓
  - Tamper
  - IR Anti-Mask
  - MW Anti-Mask
  - PIR
  - Microwave
  - Clean Lens
  - Trouble
  - Creep Zone
- Relay 2 Function — Multi-choice
  - Alarm
  - Tamper ✓
  - IR Anti-Mask
  - MW Anti-Mask
  - PIR
  - Microwave
  - Clean Lens
  - Trouble
  - Creep Zone
- Relay 2 Logic
  - N.O.
  - N.C. ✓
- Relay 3 Function — Multi-Choice
  - Alarm
  - Tamper
  - IR Anti-Mask ✓
  - MW Anti-Mask
  - PIR
  - Microwave
  - Clean Lens
  - Trouble
  - Creep Zone
- Relay 3 Logic
  - N.O.
  - N.C. ✓

Diagnostics
- Test All
- Test PIR
- Test MW
- Test Anti-Mask — Tests IR Antimask and MW antimask
- Test BUS — Tests Voltage and Digiplex Communication

Settings
- Show event(s) — Multi-choice
  - Alarm ✓
  - Pre Alarm ✓
  - Trouble ✓
  - Anti Mask ✓ — Applies to IR Antimask and MW antimask
- Restore Setting.
  - No
  - Yes
- Save Settings
  - No
  - Yes
- Reset
  - No
  - Yes
- Menu Color
  - Orange ✓ — Orange
  - Green — Green
  - Yellow — Yellow
  - Blue — Blue
- Brightness → - 1 2 3 **4** 5 +
  - Brightness

About
- Version # — 1.07
- Date — 10.6.2013
- Serial # — 27000XXX

Language
- English

Legend
- FUTURE USE
- ▮ DEFAULT SETTINGS
- ✓ DEFAULT SETTINGS

NVX80-EQ02
06/2013

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