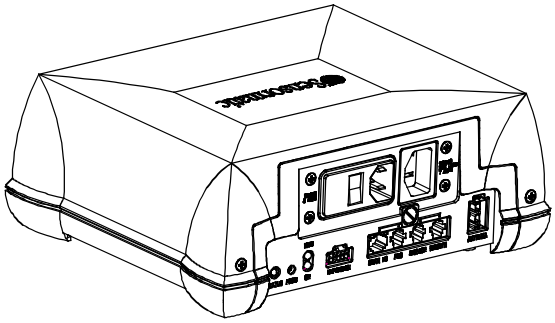
ZBSMPRO ScanMax™ Pro Controller

Installation and Setup Guide



ScanMax Antennas Used with this Controller

- PowerPad (ZBSMPPP)
- Slim Pad (ZBSMPSP)
- CompactPad Tabletop Version (ZBSMPCP)
- CompactPad Flush Mount Version (ZBSMPCP-F)
- Low Profile Pad (ZBSMPLP)
- Integrated Pad (ZBSMPIP)

Equipment Required

- Controller
- Laptop with minimum Windows 98 SE
- Standard CE RS232 Ultra•Max programming cable
- Hard Tag
- Four DR LE labels minimum

Installation

The controller can be mounted three ways:

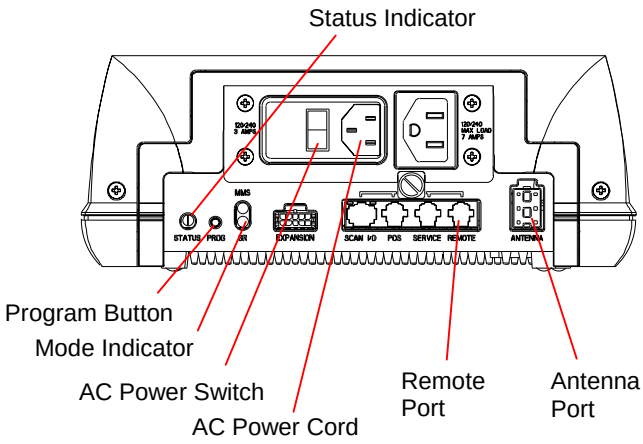
- On the countertop
- To the underside of the countertop
- To the sidewall of the counter.

Warning! If mounting the controller to the sidewall of a counter, its cable connectors cannot face up.

The controller can be mounted, out-of-the-box, to the countertop. If mounted to the underside of the countertop or to the sidewall of the counter, a mounting bracket is required. This bracket contains key slots for easy mounting.

Detailed mounting instructions are supplied with the bracket.

Setup



1. If supplied, plug the remote cable into the “remote” controller port.
2. Plug in the antenna cable.
3. Plug the AC cord into the input male jack.
4. Turn on the AC power. The rocker switch should be ‘green’ and the status indicator may blink orange until the controller auto-synchronizes. When synchronizing is complete, the status indicator should be solid green. Auto synchronization can take up to ten seconds.

   Note: If the status indicator is blinking green, then either the deactivation or transmit function is disabled. If the indicator is alternating red/yellow or is solid red, then there is no high voltage available for deactivation. In either case, contact ADT for advice. The complete list of status indications is shown opposite.

Controller Status Indicators

Status Indicator on Controller (Note: Red color may appear orange.)

Solid Green	Unit ready.
Blinking Green	Transmit disabled by key switch or configurator.
Blinking Yellow	Controller is in auto-sync.
Alternating Red/Yellow	The high voltage circuit is not working.
Solid Red	+25V or sync fault.

Mode Indicator on Controller (Use the PROG Button to cycle through the selections below.)

Bottom LED On	The controller is set for use with an SR label.
Bottom LED Off	The controller is set for use with a DR label.
Top LED On	The controller is set for Mag-Safe operation.
Top LED Off	The controller is set for routine operation.
Both LEDs Blink	Antenna EEPROM fault.

Status Indicators on Remote Alarm Module (if used)

Green On, Red Off	Unit ready.
Blinking Green	Transmit disabled by key switch or configurator.
Green On, Yellow Blinks	Controller is in auto-sync.
Green On, Red Flashing Every 250 ms	The high voltage circuit is not working.
One Beep	The controller attempted to deactivate a label.
Continuous beep until a hard tag is removed from the field.	The controller is in HT test mode.

Advanced Setup and Adapter Configuration

1. Plug in the programming cable into the service port of the controller.
2. Start the ScanMax Pro configurator by clicking on the icon.
3. Verify settings as follows for your antenna type. Do not change settings at this time.

   Default Settings

Antenna	Tx Power	Threshold
Low Profile Pad	Med	8 (+1)" 20 (+2.5) cm
PowerPad	Med	7 (+1.5)" 17.5 (+3.75) cm
SlimPad	Med	6 (+1.5)" 15 (+3.75) cm
ScanMax IP	Med	6 (+1.5)" 15 (+3.75) cm
CompactPad	Med	6 (+1)" 15 (+2.5) cm

4. Use the threshold setting to adjust the detection height for the checkout environment. Use the detection compensation slide bar to compensate for special mounting such as metal countertops.
5. Using the EXIT button on the configurator, exit the configurator.

If false deactivating occurs...

If false deactivating occurs, the configuration default values need to be modified as follows:

a. Plug in the programming cable into the Service port of the controller.

b. Start the ScanMax Pro configurator by clicking on the icon.

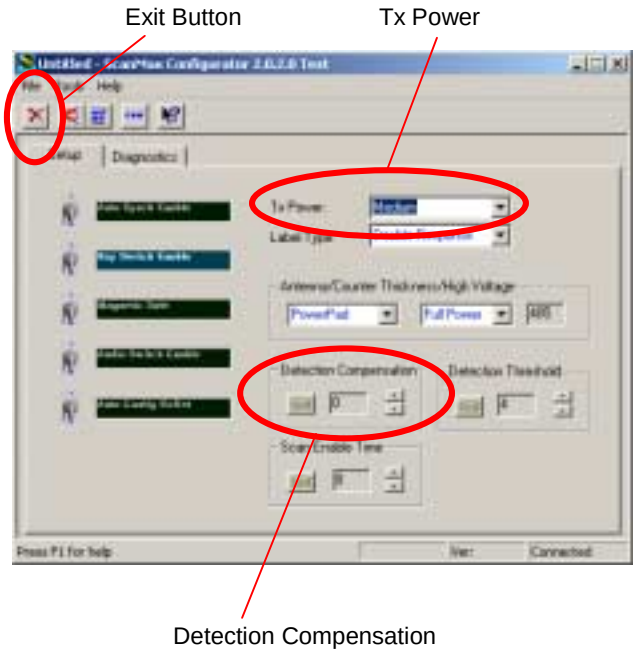
c. Click on the RESYNC button. If false deactivation discontinues, go back to step 4; otherwise, continue.

d. Ensuring no label/tag is close to the antenna, reduce Tx POWER one level at a time until the system does not false deactivate (firing without a label/tag present). Write this level down.

e. Set the Tx POWER level one step higher.

   Note: Maximum detection and deactivation height may be reduced compared with that listed in the table due to ambient noise and mounting locations. Note the new heights.

f. If these steps fail to stop false deactivation, contact Service Planning.



Specifications

Electrical

Primary input	100-120/200-240 Vac 50-60 Hz ±5% 1.4 Arms maximum

Environmental

Operating temperature	0 to 40°C (32°–104°F)
Non-operating temperature	–40° to 70°C (–40° to 158°F)
Relative humidity	0 to 90% non-condensing

Mechanical

Height	10 CM (3.9 in.)
Width	26.3 cm (10.4 in.)
Depth	22.1 cm (8.7 in.)
Weight	2.5 kg (5.5 lbs.)

Declarations

Regulatory Compliance

Emissions	47 CFR, Part 15 ENS 300 330 EN 301489 EN61000-3-2 EN61000-3-3 RSS 210
Safety	UL60950 CSA C22.2 No 60 950 EN 60 950

FCC COMPLIANCE: This equipment complies with Part 15 of the FCC rules for intentional radiators and Class A digital devices when installed and used in accordance with the instruction manual. Following these rules provides reasonable protection against harmful interference from equipment operated in a commercial area. This equipment should not be installed in a residential area as it can radiate radio frequency energy that could interfere with radio communications, a situation the user would have to fix at their own expense.

EQUIPMENT MODIFICATION CAUTION: Equipment changes or modifications not expressly approved by Sensormatic Electronics Corporation, the party responsible for FCC compliance, could void the user's authority to operate the equipment and could create a hazardous condition.

Other Declarations

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