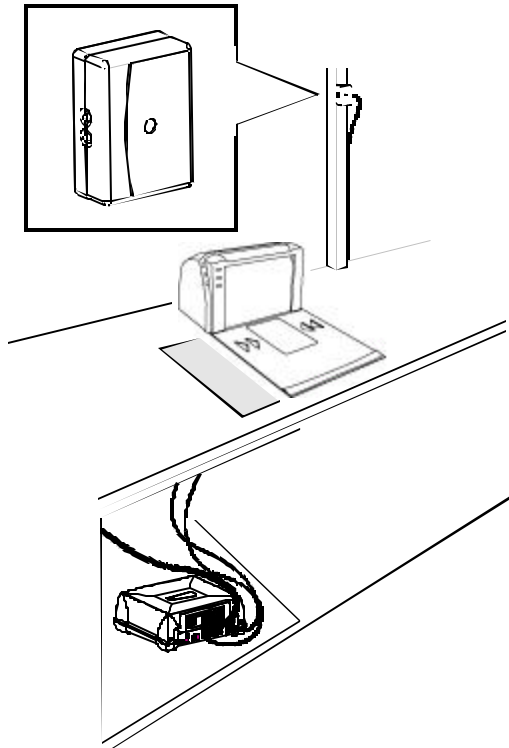


ZPSYNC4010 Wireless Synchronization Modules

Setup Guide



Wireless synchronization modules can significantly reduce electrical interference between Sensormatic EAS systems timed to the AC line. A module system includes a module designated as a transmitter and one or more modules designated as receivers.

IMPORTANT! Ensure EAS devices can support wireless synchronization.

IMPORTANT! The maximum distance between the transmit module and any receive module is approximately 60.1m (200 feet), but keep in mind that the range depends upon the environment in which the module is used. Many factors can limit the range, thus it would be impossible to list them.

For best performance, please follow these instructions carefully.

Parts Supplied

Sync Link Module	1	0304-0029-01
Cable Ties	3	?
Cable	1	?

Mechanical Specifications

Dimensions: 82mm (L) x 60mm (W) x 30mm (D)

Weight: 2.5 oz

Transmit Frequencies

North America Frequency Hop: 903.2–914.8 MHz

Europe Single Low frequency: 869.8 MHz

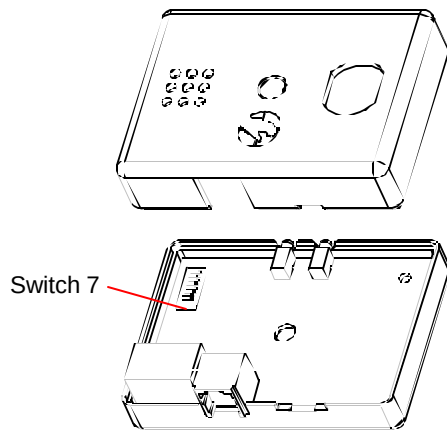
Europe Single High frequency: 869.9 MHz

Setting Up the Transmitter

1. Find the EAS device that is central and within 60.1m (200 feet) of the others. Designate this device for use with the transmit module.

IMPORTANT! DO NOT designate a mobile checkout stand or use with the transmit module. Only receive modules can be used with mobile checkout stands.

2. Configure one module as the transmitter by opening it and setting switch 7 to OFF (see Table on page 3). To access the switch, remove the holding screw and carefully separate the top and bottom covers (the side label serves as a hinge between the two covers. DO NOT remove this label).



4. Close the module and reattach the holding screw.

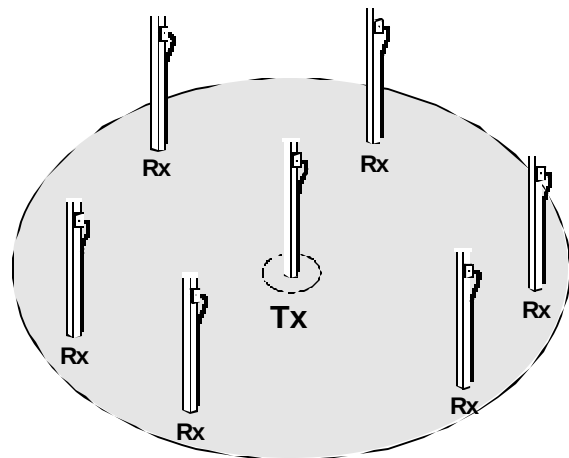
5. Mount the transmit module:

- As high as possible and in a location near the designated EAS device. The length of the cable supplied determines the distance the module can be from the device.

IMPORTANT! Ensure the module will be within 60.1m (200 feet) of the transmit module.

- In such a way that the two LEDs on the module can be readily see from below.

Note: It is recommended to mount the module to an electrical access pole of a checkout counter by running a tie wrap through the two key slots on the back of the module and then running two additional tie warps through the tie wrap and around the pole (see box).



Receivers (Rx) must be within 60.1m (200 feet) of the transmitter (Tx)

6. Using the cable supplied, connect the transmit module to the expansion port of the EAS device.

Setting Up a Receiver

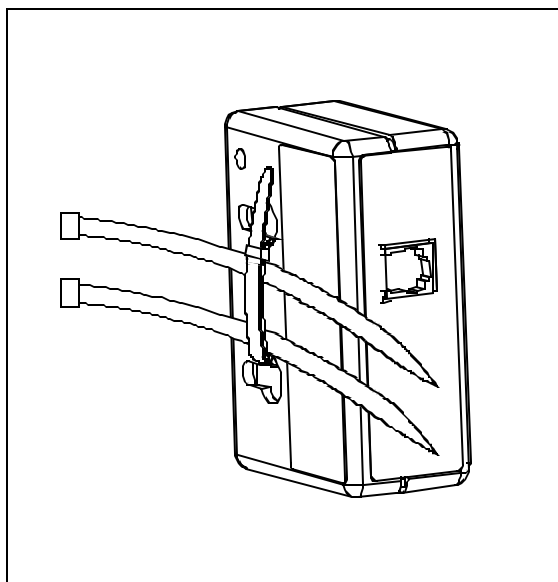
1. Mount each receive module:
 - As high as possible and in a location near the designated EAS device. The length of the cable supplied determines the distance the module can be from the device.

IMPORTANT! Ensure the module will be within 60.1m (200 feet) of the transmit module.

IMPORTANT! If mounting the module to a mobile checkout stand, mount it on the stand as high and as far away from obstructions and metal as possible.
- In such a way that the two LEDs on the module can be readily see from below.

Note: It is recommended to mount the module to an electrical access pole of a checkout counter by running a tie wrap through the two key slots on the back of the module and then running two additional tie warps through the tie wrap and around the pole (see box).

 2. Using the cable supplied, connect the receive module to the expansion port of the EAS device.
 3. Allow ___ time for the modules to synchronize.



Verifying Operation

Transmit Module

Look at the transmit module. The green LED blinking with the red LED off is normal.

Receiver Module(s)

Look at each receive module. The green LED glowing steadily with the red LED off is normal.

Troubleshooting

Transmit Module

If the red LED is blinking, this means that the power line connected to the EAS device it is connected to has noise on it. Use another EAS device to drive the transmit module.

Receive Module(s)

If the red LED is glowing steadily or flickering, this indicates that the module is either not receiving a signal from the transmit module or the signal is weak. Try moving the receiver 15.5 cm (6 inches) up or down the pole to allow it to receive a stronger signal.

Mobile checkout stands: If the signal is weak, try moving the cart closer to the transmit module or away from obstacles that can block the signal.

Switch settings for transmit or receive setup

Mode of Operation		DIP Switch Settings							
		S1-1	S1-2	S1-3	S1-4	S1-5	S1-6	S1-7	S1-8
RX 60Hz	North America Frequency hop	OFF	OFF	ON	ON	ON	ON	ON	X
RX 50Hz	Europe Single low frequency	ON	ON	OFF	OFF	ON	ON	ON	ON
	Europe Single high frequency	ON	ON	OFF	OFF	ON	ON	ON	OFF
	Europe Single frequency, auto-search	OFF	ON	OFF	OFF	ON	ON	ON	X
TX 60Hz	North America Frequency hop	OFF	OFF	ON	ON	ON	ON	OFF	X
TX 50Hz	Europe Single low frequency	ON	ON	OFF	OFF	ON	ON	OFF	ON
	Europe Single high frequency	ON	ON	OFF	OFF	ON	ON	OFF	OFF

Declarations

Regulatory Compliance

Emissions	47 CFR, Part 15
	RSS 210
	EN 300 220
	EN 301 489
Safety	UL1950
	CSA C22.2 No 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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MDR 07/02