

# RHRFVRF Code Reader

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## USER GUIDE

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Select Entry Systems

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## RHRFVRF Code Reader Overview

The RHRFVRF Code Reader displays Facility codes and Card numbers of SES Select-Pass and Multi-Pass RF transmitters in all button combinations, or 26-bit or 30-bit SES proximity cards. The RHRFVRF may be powered from a 110 VAC wall outlet using the supplied transformer, or plugged into a 12-volt accessory socket in a vehicle. The power connector is on the lower left side of the RHRFVRF reader.



110 VAC transformer  
OR



12-Volt vehicle plug



SES Select-Pass or Multi-Pass  
RF Transmitters

OR



SES Proximity Cards

## APPLICATIONS:

- 1) Reading and displaying the value of a card whose card number is unknown.
- 2) Determining the Facility Code of a given card.
- 3) Verifying correct operation of a resident's card or Select-Pass or Multi-Pass.
- 4) Testing suitability of location for a SES RHRFSPWV3 prior to installation, by placing the RHRFVRF in the physical area of the proposed installation and checking for correct operation of Select-Pass or Multi-Pass RF transmitters.
- 5) Testing effective usable range for external environmental, electrical, or electronic obstacles, interference or other RF disturbances adjacent to SES's RHRFSPW3 (or other SES receiver models) prior to installation. This is accomplished by placing the RHRFVRF in the physical area to be tested. The 12-volt accessory cable has been provided to power the RHRFVRF in testing in more remote locations.

Do NOT place the RHRFVRF inside the vehicle for testing purposes.

- 6) As a diagnostic tool after an installation.

## Testing Cards or Select-Pass or Multi-Pass



OR



### TO USE:

- 1) Plug in power connector to appropriate source; an electrical outlet or 12-volt vehicle accessory socket. Model number and version number will be displayed for 2 seconds upon power up.
- 2) "READY" will be displayed when powered. If display is blank, check power source and connected power wiring.
- 3) Place a card over target area (as shown above) and read Facility Code and Card Number on display. When activated the "FC XXX CRD XXXXX" Facility code (Site code) and card number will display for 2 seconds. In the example above, the Facility Code is 010 and the card read was Card Number 12345.
- 4) Point a Select-Pass or Multi-Pass RF transmitter at Code Reader and click button to read the Facility Code and Card Number on the display.

### ERROR CODES:

**INVALID:** Will display whenever a Card or RF transmitter is not suited for the SES system. (Card or Transmitting device may be damaged and/or defective or in the case of Select/Multi-Pass, have a dead battery.)

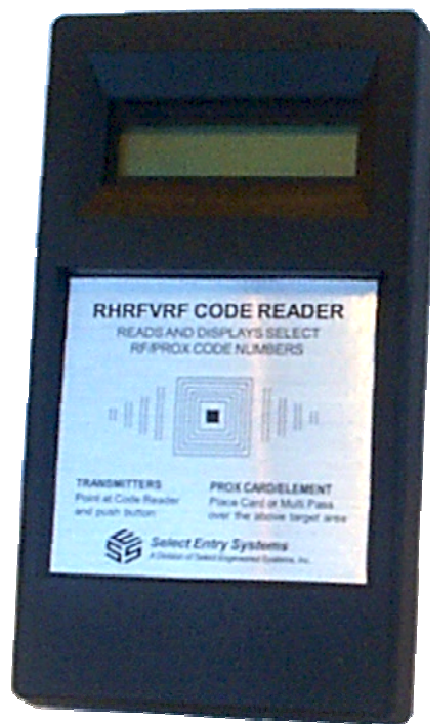
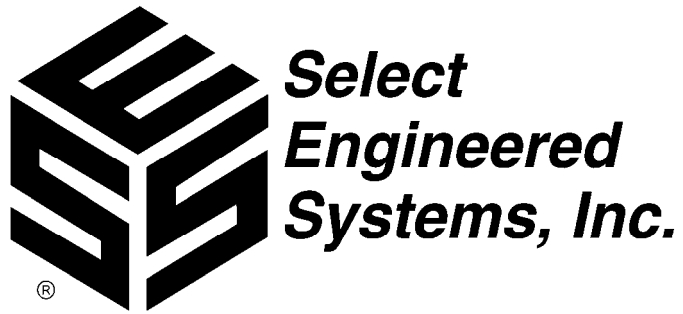
**INVALID SP:** Invalid Start parity bit.

**INVALID EP:** Invalid End parity bit.

### NOTE:

The above error codes may indicate either a damaged device, an improperly programmed device, or a device from another manufacturer not compatible with SES equipment. If necessary, check against a Known-Good RF transmitter or proximity card.

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