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[https://verifone.cloud/docs/application-development-kit-version-50/pg\\_diag\\_cp](https://verifone.cloud/docs/application-development-kit-version-50/pg_diag_cp)

Updated: 21-May-2025

# Diagnostics Control Panel

## Preface

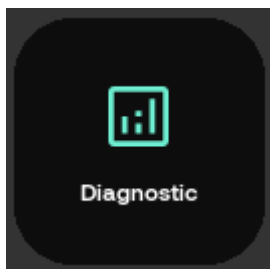
This guide provides information on the usage of the Diagnostic Control Panel.

## Introduction

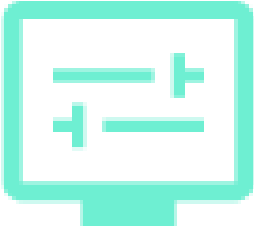
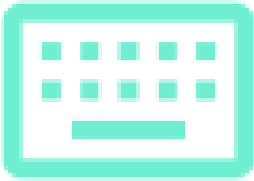

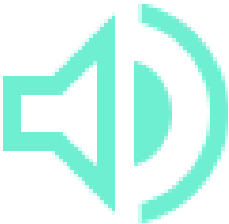
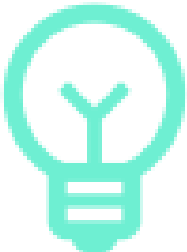
This is a system application that provides simple system diagnostic tools to make hardware tests.

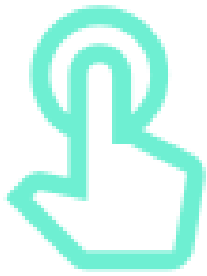
## Getting Started

The Diagnostic Control panel can be accessed via the "MAC Control Panel":

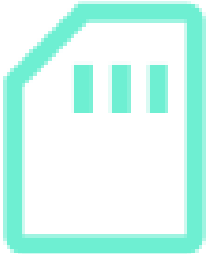


# Structure

Diagnostics	Description	Note
	<a href="#">The Display</a> provides color test	Touch the display or press the green key (O) to go to the next color. Press reg key (X) to exit.
	<a href="#">The Keyboard</a> provides keyboard test	Press any key increases its counter if key works fine. Press any key and wait for 3 seconds to exit.
	<a href="#">The Card</a> provides Smart card reader test, Contactles (NFC) test and Magnetic streap reader test	
	<a href="#">The buzzer/Audio</a> provides buzzer and audion tests	In some devices speacker is missing only buzzer test is available
	<a href="#">The LED</a> provides all available on the device LEDs tests	Click on the list item to turn LED on or off

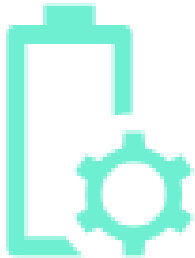


[The Touch](#) provides touch screen tests and driver information



[The SD Card](#) provides SD Card slot test

If SD Card is detected, card contents is shown



[The Battery](#) provides information about RTC and device batteries



[The Printer](#) provides paper printer test

## Display

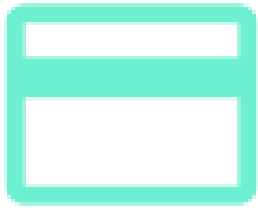
Before start the test user must confirm his choice. Then by clicking on touch or green key different colors will appear on the display. This test helps users to detect if any pixels are damaged.

## Keyboard

This test helps users to check if all keys work fine. Pressing on a key increases its counter which is displayed. Press any key and wait for 3 seconds to exit this test.

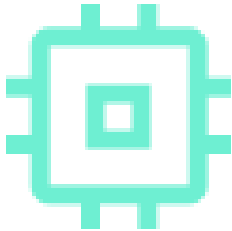
## Card

Card	Description	Note
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The Magnetic reader provides MSR test

Swipe the card to test all tracks



The Smart Card reader provides SCR test

Insert Smart Card in the one of the device slots to read it



The Contactless provides CTLS test and PCD information

Attach the card to read its ID




## Buzzer/Audio

Buzzer/Audio	Description	Note
	The Buzzer provides buzzer test	Users can set frequency and duration for buzzer test
	The Internal speaker provides audio test	Users can set volume for audio test

## LED

This test displays list of all device LEDs. Users can turn them on and off to test.

## Touch

Touch	Description	Note
	The Touch Panel coordinates provides touch screen test	Touch display and X,Y coordinates will be displayed. Wait for 3 second after the touch or press red key to exit
	The Signature provides signature test	Draw your signature then press red key or back button to exit. Signature can be saved as a file
	The Driver version provides touch driver information	

## SD Card

If SD Card is inserted, the test shows card content.

## Battery

Shows RTA and device main battery information.

## Printer

Prints test paper.