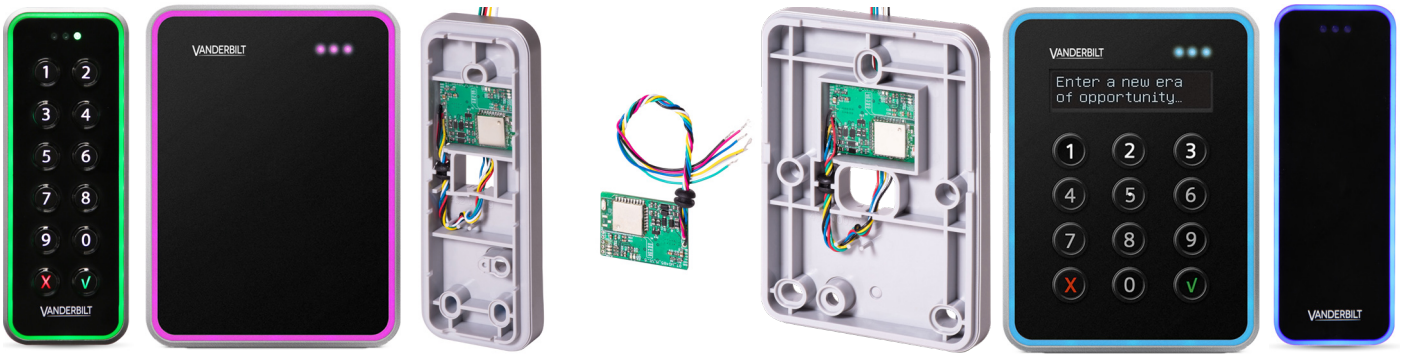


# Bluetooth Module

For VR Series Card Readers



## Overview:

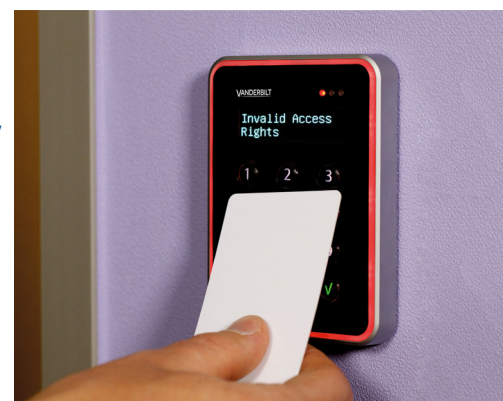
The Bluetooth modules from Vanderbilt offer customers a cost-effective solution to extend their current Vanderbilt security system.

Using the Bluetooth modules (VR-BLE-SF, VR-BLE-MF), customers can add Bluetooth functionality to Vanderbilt readers (VR10S-MF, VR40S-MF, VR20M-MF, VR50M-MF).

The Bluetooth modules (VR-BLE) are connected directly to the Wiegand or OSDP interface on Vanderbilt controllers and door stations, and can be used with Vanderbilt VCredential, our secure and flexible identification solution that offers four identification modes for easy access management and access.

## Key Features include:

- ✓ Add Bluetooth Functionality to any Vanderbilt VR series reader (VR10S-MF, VR40S-MF, VR20M-MF, VR50M-MF) into a Bluetooth reader
- ✓ Wiegand and OSDP reader interface
- ✓ Compatible with Bluetooth credential from Vanderbilt (VCredential.com)
- ✓ **VI Mobile ID** end-user app for Android™ and iOS™ (BLUE-L Credential required)
- ✓ API for third party integration with VCredential.com



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## Features & Benefits:

### ✓ UNIQUE USER EXPERIENCE

Vanderbilt's Bluetooth modules offer four innovative identification modes for intuitive, smooth, and easy management of your access:



#### Show-to-Go Mode

By placing your smartphone in front of the reader



#### Shake-to-Go Mode

By waving the smartphone in range of the reader.



#### Manual Button Mode

By tapping the button on your smartphone app.



#### Hands-free Mode

By passing in front of the reader without presenting the smartphone.

### ✓ SMOOTH MIGRATION

Reduce the total cost of ownership by extending the life of existing system controller and hardware, while allowing a smooth migration to mobile credentials.

### ✓ EASY MANAGEMENT

Creating, deploying, and managing access rights can be carried out by the administrator directly in VCredential for easy management.

### ✓ SAVE TIME & MONEY

Mobile credentials are time and cost-effective alternatives to managing physical credentials.



### Benefits:

- Wiegand & OSDP reader interface
- Free mobile apps for Android™ and iOS™
- Virtual credential available via perpetual VCredential license

**VANDERBILT**

023\_BLE\_MOD\_A-100579\_EN

# Bluetooth Module

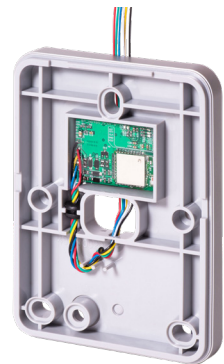
For VR Series Card Readers

## Technical data:

Bluetooth Module	
Operating Frequency	2.4 GHz Bluetooth® (Low Energy)
Communication Interface	<ul style="list-style-type: none"> <li>• OSDP (Requires unique OSDP address)</li> <li>• Wiegand (32bit no parity)</li> </ul>
Bluetooth Read Range: *	<ul style="list-style-type: none"> <li>• Bluetooth: 0.1~5m</li> </ul> (Read distances are adjustable via mobile app)
Operating temperature	-20°C ~ 55°C (-4°F ~ 120°F)
Operating Humidity:	10% - 90%
Approval	<ul style="list-style-type: none"> <li>• CE according to Radio Equipment Directive 2014/53/EU</li> <li>• UKCA according radio equipment regulations 2017</li> <li>• IEC/EN60839-11, Grade 4</li> <li>• FCC Pending</li> <li>• UL Pending</li> </ul>
Warranty	3 years



	V54504-Z105-A100 VR-BLE-SF BLE Module +Frame for VR10/VR40	V54504-Z106-A100 VR-BLE-MF BLE Module +Frame for VR20/50	V54504-Z107-A100 VR-BLE Bluetooth Module - Standalone
Power Supply	9 - 28VDC	9 - 28VDC	9 - 28VDC
Power Consumption	160mA (max)	160mA (max)	160mA (max)
Environmental	Class IV - Outdoor	Class IV - Outdoor	Class II - Internal **
Housing Material	Polycarbonate	Polycarbonate	N/A
IP Rating	IP 55	IP 55	N/A
Fire Rating	UL94 V-0	UL94 V-0	N/A
Dimensions (mm)	115x86x13	131x50x13	37x28x7
Weights (g)	57	43	10



\* Distance under optimal conditions

\*\* if installing standalone module outdoors it should be housed in an appropriate outdoor approved enclosure

# Bluetooth Module

For VR Series Card Readers

## Ordering Information:

Product Code	Material Number	EAN Number	Description
VR-BLE-SF	V54504-Z105-A100	7330082006229	VR-BLE-SF BLE Module +Frame for VR10S-MF/VR40S-MF
VR-BLE-MF	V54504-Z106-A100	7330082006212	VR-BLE-MF BLE Module +Frame for VR20M-MF/VR50M-MF
VR-BLE Standalone	V54504-Z107-A100	7330082006236	VR-BLE Bluetooth Module - Standalone

## Selected Accessories:

Product Code	Material Number	Description
VR10S-MF	V54504-F101-A100	VR10S-MF MIFARE EV1 card reader
VR40S-MF	V54504-F102-A100	VR40S-MF MIFARE EV1 reader Keypad / Display
VR20M-MF	V54504-F111-A100	VR20M-MF MIFARE EV1 Mullion reader
VR50M-MF	V54504-F112-A100	VR50M-MF MIFARE EV1 Mullion with keypad
BLUE-L	P54508-P128-A100	BLUE-L Bluetooth Mobile Credential (1pc)
VI Mobile ID		iOS and android mobile app for bluetooth Credentials (VCredential.com)



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