VeriFone, Inc.
US: 1-800-Verifone
www.verifone.com

VM110,VM111 Certifications and Regulations

Electrical

Power Source

Before you connect the terminal power pack to an electrical outlet, check that the power switch on the terminal is off. If the terminal does not have an on/off switch, check that the power cable connector is removed from the terminal's power port. Or, when connecting the terminal to a power pack, always connect the plug of the power pack to an electrical wall outlet first. Then connect the power cable to the terminal's power port.
The reference input power rating is as follows:

- Input Voltage: 100-240V AC, 50/60 Hz
- Output Voltage: 5V DC, 2.2A

Model VM110-R,VM111-R are intended to be provided with a UL Listed Power Supply module having an output rating of 5V DC, minimum 2.2A, Tma 50°C, Class II, DPIU type and evaluated as a Limited Power Source or PS2 or equivalent.

AC Adapter

The AC adapter is designed to ensure your safety and to be compatible with this equipment. Please follow these guidelines:

- Do not use the adapter in a high-moisture environment. Never touch the adapter when your hands or feet are wet.
- Allow adequate ventilation around the adapter. Avoid locations with restricted airflow.
- Connect the adapter to a proper power source. The voltage and grounding requirements are found on the product case and/or packaging.
- Do not use the adapter if the cord is damaged.
- Do not attempt to service the adapter. There are no serviceable parts inside. Replace the unit if it is damaged or exposed to excess moisture.

Disconnecting Power

Disconnecting power during a transaction may cause transaction data files that are not yet stored in the terminal memory to be lost.

Equipment

Location – Electrical Considerations

WARNING! This device contains sensitive electronic components that can be permanently damaged if exposed to excessive shock, electrical interference, or vibration.
AVERTISSEMENT! *Cet appareil contient des composants électroniques sensibles qui peuvent être endommagés défaçon permanente si elle est exposée à des chocs excessifs, des interférences électriques ou des vibrations.*
CAUTION: Due to the risk of electric shock, or damage to the terminal, do not use this equipment near a water source, for example near a bathtub, washbowl, kitchen sink, or laundry tub, in a wet basement, or near a swimming pool. Likewise, avoid using this product during thunderstorms causing power cuts. Avoid placing the terminal near electrical devices or other units that could cause large voltage fluctuations or electrical interference, such as air conditioners, neon signs, high-frequency safety devices, or electrical equipment.
ATTENTION: *Du fait d'un risque d'électrocution ou d'une détérioration du terminal, ne pas utiliser cet équipement près d'une source d'eau, par exemple près d'une baignoire, d'un lavabo, d'un évier de cuisine ou d'un bac de lavage, dans un sous-sol humide ou à proximité d'une piscine. De même, éviter d'utiliser ce produit lors des orages provoquant des coupures électriques. Éviter de placer le terminal à proximité d'appareils électriques ou autres unités pouvant entraîner des fluctuations de tension importantes ou des interférences électriques, tels que les climatiseurs, enseignes au néon, dispositifs de sécurité à haute fréquence ou équipements électriques.*

Damage

Carefully inspect the shipping carton and its contents for any damage. If the unit or any product component appears damaged or to have been tampered with, immediately notify the shipping company and your Verifone distributor or service provider. Do not use the unit that has been tampered.

Repairs

Do not, under any circumstances, attempt any service, adjustments, or repairs on this equipment. Instead, contact your local Verifone distributor or service provider for assistance. Failure to comply may void the product warranty.

Location – Environmental Considerations

Do not plug the power pack into an outdoor outlet. Any damage to the unit from exposure to water or dust may void your warranty. Do not use the terminal where there is high heat, dust, humidity, moisture, or caustic chemicals or oils. Keep the terminal away from direct sunlight and anything that radiates heat, such as a stove or a motor.
WARNING! Your POS terminal contains sensitive electronic components that can be permanently damaged if exposed to excessive shock or vibration. To minimize the risk of damage to your terminal, avoid dropping your terminal and operating it in high-shock and high-vibration environments. Do not store the terminal where prolonged exposure to extreme temperatures can occur because it can cause permanent damage. Do not expose the terminal to water. Contact with water can cause this unit to malfunction.
AVERTISSEMENT! *Votre terminal de point de vente contient des composants électroniques sensibles, susceptibles de subir des dommages définitifs en cas d'exposition à des chocs ou à des vibrations excessives. Pour minimiser le risque de dommages pour votre terminal, éviter de le faire tomber ou de l'exposer à des environnements pouvant provoquer des chocs et des vibrations excessives. Ne pas stocker le terminal dans des lieux susceptibles d'entraîner une exposition prolongée à des températures extrêmes, du fait des dommages définitifs que cette situation peut provoquer. Ne pas exposer le terminal à l'eau. Un contact avec de l'eau peut provoquer un dysfonctionnement de l'unité.*

Cleaners and Solvents

Never use thinner, trichloroethylene, or ketone-based solvents to clean the device, these may deteriorate plastic or rubber parts. Do not spray cleaners or other solutions directly onto the keypad or display. For best results, use a clean cloth dampened with water and mild soap. To remove stubborn stains, use alcohol or an alcohol-based cleaner.

Notice for WLAN

For CE WLAN: 5250-5350 MHz
This device is restricted for indoor usage only when operating in the 5250-5350 MHz frequency range.

This equipment may be operated in:							
AT	BE	BG	HR	CY	CZ	DK	EE
FI	FR	DE	EL	HU	IE	IT	LV
LT	LU	MT	NL	PL	PT	RO	SK
SI	ES	SE	UK(NI)	IS	LI	NO	CH
TR							

For UK WLAN: 5250-5350 MHz
This device is restricted for indoor usage in the UK when operating in the 5250-5350 MHz frequency range.

For ISED WLAN: 5150-5250 MHz
(i) The device for operation in the band 5150-5250 MHz is only for indoor use to reduce the potential for harmful interference to co-channel mobile satellite systems.
(ii) Where applicable, antenna type(s), antenna models(s), and worst-case tilt angle(s) necessary to remain compliant with the e.i.r.p. elevation mask requirement set forth in section 6.2.2.3 shall be clearly indicated.

Avertissement:
(i)Les dispositifs fonctionnant dans la bande 5150-5250 MHz sont réservés uniquement pour une utilisation à l'intérieur afin de réduire les risques de brouillage préjudiciable aux systèmes de satellites mobiles utilisant les mêmes canaux.
(ii)Lorsqu'il y a lieu, les types d'antennes (s'il y en a plusieurs), les numéros de modèle de l'antenne et les pires angles d'inclinaison nécessaires pour rester conforme à l'exigence de la p.i.r.e. applicable au masque d'élévation, énoncée à la section 6.2.2.3, doivent être clairement indiqués.

Notice of Label Location

The label of our device will be affixed under the battery compartment for your reference.

Operating Temperature

The product is designed to work at maximum ambient temperatures of (Tma) -10°C and 50°C.

FCC/ISED Compliance

The following product has been tested and certified as compliant with the regulations and guidelines detailed below:
Manufacturer: VeriFone, Inc.
Brand: Verifone
Model: VM110-R,VM111-R

Part 15 of FCC and ISED Rules

This device complies with the limits for a Class B digital device as specified in Part 15 of FCC and Innovation, Science and Economic Development Canada license-exempt RSS standard(s) Rules which provide reasonable protection against harmful interference in a residential installation. Operation is subject to the following two conditions:
1) This device may not cause harmful interference.
2) This device must accept any interference received, including interference that may cause undesired operation.
This equipment generates and uses radio frequency energy, and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.
In the unlikely event that there is interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or ask an experienced radio/TV technician for help.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter. The use of a shielded interface cable is required to comply with the Class B limits of Part 15 of FCC Rules.
Any changes or modifications to this equipment not expressly approved by Verifone could void the user's authority to operate this equipment.
NOTE: The country code selection is for non-US models only and is not available to all the US models. Per FCC regulation, all Wi-Fi product markets in the US must be fixed to US operation channels only.
Le présent appareil est conforme aux CNR d'Innovation, Science and Economic Development Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:
(1) L'appareil ne doit pas produire de brouillage.
(2) L'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.
Cet appareil et son antenne ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou un autre émetteur, exception faites des radios intégrées qui ont été testées.
La fonction de sélection de l'indicatif du pays est désactivée pour les produits commercialisés aux États-Unis et au USA/Canada.
This Class B digital apparatus complies with CAN ICES (B).
Cet appareil numérique de la classe B est conforme à la norme NMB (B) du Canada.

RF Exposure

CE
The product complies with the Radio Equipment Directive (2014/53/EU) issued by the Commission of the European Community.
A minimum separation distance of 0.5 cm must be maintained between the device and the user's body during body-worn operation and a minimum separation distance of 0 cm must be maintained between the device and the user's extremity during the extremity operation to comply with the RF exposure requirements in Europe. To comply with RF exposure requirements in Europe, third party belt-clips, holsters, or similar accessories used by this device should not contain any metallic components. Use of accessories that do not satisfy these requirements may not comply with RF exposure requirements and should be avoided.

UK
This device complies with the Radio Equipment Regulations 2017 SI 2017/1206 issued by the British Standards Institution.
A minimum separation distance of 0.5 cm must be maintained between the device and the user's body during body-worn operation and a minimum separation distance of 0 cm must be maintained between the device and the user's extremity during the extremity operation comply with the RF exposure requirements in the UK. To comply with RF exposure requirements in the UK, third party belt-clips, holsters or similar accessories used by this device should not contain any metallic components. The use of accessories that do not satisfy these requirements may not comply with RF exposure requirements and should be avoided.

USA
The product complies with the FCC RF exposure limit for an uncontrolled environment and is safe for the intended operation as described in this document. Further RF exposure reduction can be achieved by keeping the product as far as possible from the user's body or by setting the device to a lower output power if such a function is available. The SAR limit set by the FCC is 1.6W/kg for body-worn SAR and 4W/kg for extremity SAR. This device has been tested and meets the FCC RF exposure guidelines, requiring it to be positioned at a minimum of 0.5 cm from the body.
This device complies with SAR limits for general population/uncontrolled exposure as specified in ANSI/IEEE C95.1-1992 and has been tested in accordance with the measurement methods and procedures outlined in IEEE 1528-2013.

ISED
This EUT complies with SAR for general population/uncontrolled exposure limits in IC RSS-102 and has been tested in accordance with the measurement methods and procedures specified in IEEE 1528 and IEC 62209. This equipment should be installed and operated at a minimum distance of 0.5 cm between the radiator and your body. This device and its antenna(s) must not be co-located or operated in conjunction with any other antenna or transmitter.
Cet équipement est conforme aux limites DAS pour la population générale/exposition non contrôlée de l'IC RSS-102 et a été testé conformément aux méthodes et procédures de mesure spécifiées dans les normes IEEE 1528 et CEI 62209. Cet équipement doit être installé et utilisé à une distance minimale de 0.5 cm entre le radiateur et votre corps. Cet appareil et ses antennes ne doivent pas être colocalisés ou utilisés conjointement avec une autre antenne ou émetteur.

Notice for Operating Frequency and Output Power

Feature	VM110-R,VM111-R
NFC (dBμA/m at 10m)	4.25 (Measured Value)
2.4G WLAN (b/g/n): 2400-2483.5 MHz (EIRP dBm)	<20
5G WLAN (a/n/ac): 5150-5250/5250-5350/ 5470-5725 MHz/5725-5850 MHz (EIRP dBm)	<23 (5725-5850 MHz<13.98 dBm)
BT-EDR/LE (EIRP dBm)	20
2G (dBm)	GSM900:<33, GSM1800:<30
3G (dBm)	Band I/V/VIII:<24
4G (dBm)	Band 1/3/5/7/8/20/28/38/40/41/66:<24

Battery Pack Protection Temperature Warning Statement

- The highest specified charging temperature of the battery pack is 57+-2°C.
- The lowest specified charging temperature of the battery pack is 0+-2°C.

Battery Pack/Coin Cell Instructions for Portable Product

Dispose of the battery/coin cell in accordance with all national, state, and local laws and regulations as regionally required. Some batteries may be recycled and may be accepted for disposal at local recycling centers.
CAUTION: There is a risk of explosion if the battery is replaced by an incorrect type.
ATTENTION: *Il existe un risque d'explosion si la batterie est remplacée par un modèle incompatible (UL request).*

- Disposal of a battery into fire or a hot oven, or mechanically crushing or cutting of a battery, can result in an explosion.
- Leaving a battery in an extremely high temperature surrounding environment can result in an explosion or the leakage of flammable liquid or gas.
- A battery subjected to extremely low air pressure may result in an explosion or the leakage of flammable liquid or gas.

Recycling: DO NOT DISCARD!
UNIT MUST BE RECYCLED OR DISPOSED OF PROPERLY.
For proper disposal instructions, go to *http://recycle.verifone.com/*

continued on rear cover

Recyclage: NE PAS JETER!
L'unité doit être recyclée ou mise au rebut dans les endroits prévus à cet effet.
Pour connaître les procédures de mise au rebut, consultez le site http://recycle.verifone.com/

suite au verso

Please retain this sheet for future reference.

À conserver pour référence ultérieure.

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Verifone Part Number: DOC573-00X-EN-A, Revision A01

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