

法規と規格/Regulations and Standards

以下の海外法規、規格に対応しています。

The Products conform to the following regulations and standards.

1. 米国/The United States

FCC ID	アンプユニット/Amplifier Unit	CIDRWヘッド/CIDRW Head
E4EV640HAM11EVS	V640-HAM11-ETN-V5	V640-HS61
E4EV640HAM11LEV5	V640-HAM11-L-ETN-V5	V640-HS62

FCC NOTICE

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

FCC WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Do not remove the ferrite core (TDK Type ZCAT2035-0930A:V640-HS62) installed on the cables to suppress RF interference.

FCC Part15 subpart B

NOTICE

This equipment has been tested and found to comply with limits for a Class A digital device, pursuant to part15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines. This equipment must be installed and operated keeping the radiator at least 30cm or more away from person's body.

Please use shielded LAN cables

CAUTION

This device must be professionally installed.

2. 欧州/Europe

規格/Standards	アンプユニット/Amplifier Unit	CIDRWヘッド/CIDRW Head
RE(無線機器)指令 Radio Equipment Directive 2014/53/EU ・無線規格(Radio): EN 300 330 ・EMC規格: EN 301 489-1 ・安全規格(Safety): EN 62368-1 ・人体防護規格(Human exposure): EN 62311 ・セキュリティ規格(Security):EN 18031-1	V640-HAM11-ETN-V5 V640-HAM11-L-ETN-V5	V640-HS61 V640-HS62

This equipment must be installed and operated keeping the radiator at least 30cm or more away from person's body.



3. カナダ Canada

ISED Certification Number	アンプユニット/Amplifier Unit	CIDRWヘッド/CIDRW Head
850J-V64HAM11E5	V640-HAM11-ETN-V5	V640-HS61
850J-V64HAM11LE5	V640-HAM11-L-ETN-V5	V640-HS62

This device complies with Industry Canada's licence-exempt RSSs.

Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie 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, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This radio transmitter (ISED Certification Number) has been approved by Innovation, Science and Economic Development Canada to operate with the antenna types listed below, with the maximum permissible gain indicated. Antenna types not included in this list that have a gain greater than the maximum gain indicated for any type listed are strictly prohibited for use with this device.

Antenna type	Gain	Impedance
V640-HS61	-164dBi	50Ω
V640-HS62	-165dBi	50Ω

Le présent émetteur radio (ISED Certification Number) a été approuvé par Innovation, Sciences et Développement économique Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué pour tout type figurant sur la liste, sont strictement interdits pour l'exploitation de l'émetteur.

Type d'antenne	Gain	l'impédance
V640-HS61	-164dBi	50Ω
V640-HS62	-165dBi	50Ω

CAN ICES-3(A) / NMB-3(A)

WARNING

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Do not remove the ferrite core (TDK Type ZCAT2035-0930A:V640-HS62) installed on the cables to suppress RF interference.

Les changements ou modifications non expressément approuvés par la partie responsable de la conformité pourraient annuler l'autorité de l'utilisateur à utiliser l'équipement.

Ne pas retirer le noyau de ferrite (TDK type ZCAT2035-0930A: V640-HS62) installé sur les câbles pour supprimer les interférences RF.

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the ISED radio frequency (RF) Exposure rules. This equipment must be installed and operated keeping the radiator at least 30cm or more away from person's body.

Cet équipement est conforme aux limites d'exposition aux rayonnements énoncées pour un environnement non contrôlé et respecte les règles d'exposition aux fréquences radioélectriques (RF) CNR-102 de l'ISDE. Cet équipement doit être installé et utilisé en gardant une distance de 30 cm ou plus entre le radiateur et le corps humain.

Please use shielded LAN cables.

Veuillez utiliser des câbles LAN blindés.

CAUTION:

This device must be professionally installed.

Cet appareil doit être installé par un professionnel.

4. 中国/China

規則/Regulation	アンプユニット/ Amplifier Unit	CIDRWヘッド/ CIDRW Head
中华人民共和国 工业和信息化部公告 2019年 第52号	V640-HAM11-ETN-V5 V640-HAM11-L-ETN-V5	V640-HS61 V640-HS62

- (一) 本产品符合“微功率短距离无线电发射设备目录和技术要求”如下条款：
具体条款：通用微功率设备 A类设备
(1)使用频率：50-190kHz
(2)10米处磁场强度：不大于72dB μ A/m，每倍频程下降3dB（准峰值检波）
使用场景：通用
采用的天线类型：V640-HS61, V640-HS62
控制、调整及开关等使用方法：不适用
- (二) 不得擅自改变使用场景或使用条件、扩大发射频率范围、加大发射功率（包括额外加装射频功率放大器），不得擅自更改发射天线；
- (三) 不得对其他合法的无线电台（站）产生有害干扰，也不得提出免受有害干扰保护；
- (四) 应当承受辐射射频能量的工业、科学及医疗（ISM）应用设备的干扰或其他合法的无线电台（站）干扰；
- (五) 如对其他合法的无线电台（站）产生有害干扰时，应立即停止使用，并采取措施消除干扰后方可继续使用；
- (六) 在航空器内和依据法律法规、国家有关规定、标准划设的射电天文台、气象雷达站、卫星地球站（含测控、测距、接收、导航站）等军民用无线电台（站）、机场等的电磁环境保护区域内使用微功率设备，应当遵守电磁环境保护及相关行业主管部门的规定；
- (七) 禁止在以机场跑道中心点为圆心、半径5000米的区域内使用各类模型遥控器；
- (八) 微功率设备使用时温度的环境条件：0~+40℃
电压的环境条件：直流20.4~26.4V
- (九) 使用微功率短距离无线电发射设备应当符合国家无线电管理有关规定

5. 韓国/Rebublic of Korea

認証番号/Certification number	アンプユニット/Amplifier Unit	CIDRWヘッド/CIDRW Head
R-R-OMR-V64251	V640-HAM11-ETN-V5	V640-HS61
R-R-OMR-V64252	V640-HAM11-L-ETN-V5	V640-HS62

6. 台湾/Taiwan

認証番号/Certification number	アンプユニット/Amplifier Unit	CIDRWヘッド/CIDRW Head
認証取得後連絡予定	V640-HAM11-ETN-V5	V640-HS61
認証取得後連絡予定	V640-HAM11-L-ETN-V5	V640-HS62

取得審験證明之低功率射頻器材,非經核准,公司、商號或使用者均不得擅自變更頻率、加大功率或變更原設計之特性及功能。
低功率射頻器材之使用不得影響飛航安全及干擾合法通信,經發現有干擾現象時,應立即停用,並改善至無干擾時方得繼續使用。
前述合法通信,指依電信管理法規定作業之無線電通信。
低功率射頻器材須忍受合法通信或工業、科學及醫療用電波輻射性電機設備之干擾。

7. シンガポール/Singapore

登録番号/Registration number	アンプユニット/Amplifier Unit	CIDRWヘッド/CIDRW Head
認証取得後連絡予定	V640-HAM11-ETN-V5	V640-HS61
認証取得後連絡予定	V640-HAM11-L-ETN-V5	V640-HS62

Complies with
IMDA Standards
DB102044