TOSHIBA
Leading Innovation

MULTIFUNCTIONAL DIGITAL COLOR SYSTEMS /
MULTIFUNCTIONAL DIGITAL SYSTEMS

Wireless LAN/Bluetooth Precautions for Use

GN-4020

Preface

Thank you for purchasing TOSHIBA Multifunctional Digital Systems or Multifunctional Digital Color Systems. This manual explains the precautions for Wireless LAN/Bluetooth Module GN-4020. Read this manual before using the functions.

■ How to read this manual

❑ Symbols in this manual

In this manual, some important items are described with the symbols shown below. Be sure to read these items before using this equipment.

⚠ WARNING	Indicates a potentially hazardous situation which, if not avoided, could result in death, serious injury, or serious damage, or fire in the equipment or surrounding objects.
⚠ CAUTION	Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury, partial damage to the equipment or surrounding objects, or loss of data.
Note	Indicates information to which you should pay attention when operating the equipment.
Tip	Describes handy information that is useful to know when operating the equipment.
🕮	Pages describing items related to what you are currently doing. See these pages as required.

❑ Target audience for this manual

This is a manual that is aimed at general users and administrators.

❑ Model and series names in this manual

In this manual, each model name is replaced with the series name as shown below.

Model name	Series name in this manual
e-STUDIO2000AC/2500AC	e-STUDIO5005AC Series
e-STUDIO2505AC/3005AC/3505AC/4505AC/5005AC	
e-STUDIO2008A/2508A/3008A/3508A/4508A/5008A	e-STUDIO5008A Series
e-STUDIO5506AC/6506AC/7506AC	e-STUDIO7506AC Series
e-STUDIO5508A/6508A/7508A/8508A	e-STUDIO8508A Series

❑ Options

For the available options, refer to the ***Quick Start Guide*** for this equipment.

❑ Trademarks

For trademarks, refer to the ***Safety Information***.

Precautions for Wireless LAN/Bluetooth Adapter

■ Precautions for Use

This product is classified as “wireless equipment for stations of low-power data transmissions systems” under the Wireless Telegraphy Act, and does not require a radio transmission license. The law prohibits modification of the interior of this product.

■ About TOSHIBA Wireless Solution

❑ Wireless Interoperability

The Wireless LAN is designed to be interoperable with wireless LAN technology that is based on the DSSS/OFDM radio technology.

- Wi-Fi (Wireless Fidelity) certified by the Wi-Fi Alliance. This means that your Wireless hardware will communicate with other vendors’ IEEE 802.11 B/G/N compliant wireless LAN product.
- Fully compatible with any of other wireless LAN system based on Direct Sequence Spread Spectrum (DSSS)/ Orthogonal Frequency Division Multiplexing (OFDM) radio technology that complies with the IEEE802.11 standard on wireless LANs (Revision B/G/N).

❑ Bluetooth Interoperability

Bluetooth module is designed to be interoperable with any product with Bluetooth wireless technology that is based on Adaptive Frequency Hopping (AFH) radio technology.

- The profile version 2.1, 3.0 as defined and approved by the Bluetooth Special Interest Group.
- Logo certification with Bluetooth wireless technology as defined by the Bluetooth Special Interest Group.

❑ Wireless and your Health

Wireless LAN/Bluetooth products, like other radio devices, emit radio frequency electromagnetic energy. The level of energy emitted by Wireless devices however is far much less than the electromagnetic energy emitted by wireless devices like for example mobile phones.
Because Wireless LAN and Bluetooth products operate within the guidelines found in radio frequency safety standards and recommendations, TOSHIBA believes Wireless LAN/Bluetooth module is safe for use by consumers. These standards and recommendations reflect the consensus of the scientific community and result from deliberations of panels and committees of scientists who continually review and interpret the extensive research literature.
In some situations or environments, the use of Wireless LAN and Bluetooth may be restricted by the proprietor of the building or responsible representatives of the organization. These situations may for example include:

- Using the Wireless LAN/Bluetooth equipment on board of aeroplanes, or
- In any other environment where the risk of interference to other devices or services is perceived or identified as harmful.

If you are uncertain of the policy that applies on the use of wireless devices in a specific organization or environment (e.g. airports), you are encouraged to ask for authorization to use the Wireless LAN and Bluetooth devices prior to turning on the equipment.

NOTE

- Wireless LAN and Bluetooth™ operate within the same radio frequency range and may interfere with one another. If you use Wireless LAN and Bluetooth™ devices simultaneously, you may occasionally experience a less than optimal network performance or even lose your network connection.
- If you should experience any such problem, immediately turn off your Wireless LAN and Bluetooth™ network.

■ Regulatory Information

The Wireless LAN/Bluetooth must be installed and used in strict accordance with the manufacturer's instructions as described in the user documentation that comes with the product. This device complies with the following radio frequency and safety standards.

❑ Canada – Industry Canada (IC)

This Class B digital apparatus complies with Canadian ICES-003, RSS-247, and CAN ICES-3(B)/ NMB-3(B).

Cet appareil numérique de classe B est conforme aux normes canadiennes ICES-003, RSS-247, et CAN ICES-3(B)/NMB-3(B).

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. The IC ID for this device is 1004C-GN4020.

Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas causer d'interférence et (2) cet appareil doit accepter toute interférence, notamment les interférences qui peuvent affecter son fonctionnement. L'identifiant IC de cet appareil est 1004C-GN4020.

Radio Frequency (RF) Exposure Information The radiated output power of the Wireless Device is below the Industry Canada (IC) radio frequency exposure limits. The Wireless Device should be used in such a manner such that the potential for human contact during normal operation is minimized.
This device has been evaluated for and shown compliant with the IC Specific Absorption Rate ("SAR") limits when installed in specific host products operated in portable exposure conditions.

Informations concernant l'exposition aux fréquences radio (RF) La puissance de sortie émise par l'appareil de sans fil est inférieure à la limite d'exposition aux fréquences radio d'Industry Canada (IC). Utilisez l'appareil de sans fil de façon à minimiser les contacts humains lors du fonctionnement normal.
Ce périphérique a été évalué et démontré conforme aux limites SAR (Specific Absorption Rate – Taux d'absorption spécifique) d'IC lorsqu'il est installé dans des produits hôtes particuliers qui fonctionnent dans des conditions d'exposition à des appareils portables.

❑ Europe – EU Declaration of Conformity (CE)

This device complies with the essential requirements of the R&TTE Directive 1999/5/EC with essential test suites as per standards:

EN 300 328:
Electromagnetic compatibility and Radio Spectrum Matters (ERM); Wideband Transmission systems; Data transmission equipment operating in the 2,4 GHz ISM band and using spread spectrum modulation techniques

EN 301 489-17:
Electromagnetic compatibility and Radio Spectrum Matters (ERM); ElectroMagnetic Compatibility (EMC) standard for radio equipment and services;
Part 17: Specific conditions for 2,4 GHz wideband transmission systems and 5 GHz high performance RLAN equipment

EN 60950-1:
Safety of information technology equipment, including electrical business equipment

EN 62311:
Assessment of electronic and electrical equipment related to human exposure restrictions for electromagnetic fields (0 Hz - 300 GHz)

Hereby, TOSHIBA TEC, declares that this GN-4020 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.
TOSHIBA TEC vakuuttaa täten että GN-4020 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.
Hierbij verklaart TOSHIBA TEC dat het toestel GN-4020 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG

Bij deze verklaart TOSHIBA TEC dat deze GN-4020 voldoet aan de essentiële eisen en aan de overige relevante bepalingen van Richtlijn 1999/5/EC.
Par la présente TOSHIBA TEC déclare que l'appareil GN-4020 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE
Par la présente, TOSHIBA TEC déclare que ce GN-4020 est conforme aux exigences essentielles et aux autres dispositions de la directive 1999/5/CE qui lui sont applicables
Härmed intygar TOSHIBA TEC att denna GN-4020 står I överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.
Undertegnede TOSHIBA TEC erklarer herved, at følgende udstyr GN-4020 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF
Hiermit erklärt TOSHIBA TEC, dass sich dieser/diese/dieses GN-4020 in Übereinstimmung mit den grundlegenden Anforderungen und den anderen relevanten Vorschriften der Richtlinie 1999/5/EG befindet". (BMWi)
Hiermit erklärt TOSHIBA TEC die Übereinstimmung des Gerätes GN-4020 mit den grundlegenden Anforderungen und den anderen relevanten Festlegungen der Richtlinie 1999/5/EG. (Wien)
ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ TOSHIBA TEC ΔΗΛΩΝΕΙ ΟΤΙ GN-4020 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ
Η Toshiba TEC Corporation δηλώνει με το παρόν ότι το μοντέλο GN-4020 ασύρματου π ροσαρμογέα LAN συμμορφώνεται με τις βασικές απαιτήσεις και τις λοιπές σχετικές διατά ξεις της Οδηγίας 1999/5/ΕΚ
Con la presente TOSHIBA TEC dichiara che questo GN-4020 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.
Por medio de la presente TOSHIBA TEC declara que el GN-4020 cumple con los requisitos esenciales y cualesquiera otras disposiciones aplicables o exigibles de la Directiva 1999/5/CE
TOSHIBA TEC declara que este GN-4020 está conforme com os requisitos essenciais e outras disposicões da Directiva 1999/5/CE.
Toshiba TEC Corporation, GN-4020 model Kablosuz LAN Adaptörünün 1999/5/EC Tüzüğü nün temel gereksinimlerine ve diğer ilgili uygulamalara uyduğunu beyan eder.
Toshiba TEC Corpration timto prohlasuje, ze GN-4020 je ve shode se zakladnimi pozadavky a s dalsimi prislusnymi ustanoveni Narizeni vlady c. 426/2000 Sb.
Toshiba TEC Corporation declarã prin prezenta cã adaptorul fãrã fir LAN model GN-4020 este în conformitate cu cerinþele esenþiale ºi cu alte prevederi corespunzãtoare ale Directivei 1999/5/EC

Importer (For EU):
Toshiba TEC Germany Imaging Systems GmbH
Carl-Schurz-Str.7, 41460 Neuss, Germany

Manufacturer:
TOSHIBA TEC CORPORATION
1-11-1, Osaki, Shinagawa-ku, Tokyo, 141-8562, Japan

❑ USA – Federal Communications Commission (FCC)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. 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. However, there is no guarantee that interference will not occur in a particular installation.
If this equipment does cause harmful 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 receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC Caution:
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.

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

This device has been tested and meets the FCC RF exposure guidelines. The maximum SAR value reported is 0.571 w/kg.

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

Caution: Exposure to Radio Frequency Radiation.
To comply with FCC RF exposure compliance requirements, a separation distance of at least 20 cm must be maintained between the antenna of this device and all persons. This device must not be co-located or operating in conjunction with any other antenna or transmitter.

❑ Singapore Portion

❑ Approved Countries/Regions for use for the Toshiba Wireless LAN/Bluetooth

This equipment is approved to the radio standard by the specific countries/regions. Please ask Toshiba authorized dealer or service engineer.

■ NOTES!

- The unauthorized reproduction of this document, in whole or in part, is prohibited.
- The specifications, designs, and other contents of this document are subject to change without notice.
- The contents of this document are believed to be accurate, however if any discrepancies noted should be brought to the attention of TOSHIBA authorized dealer or service engineer.
- Notwithstanding the foregoing, the manufacturer is unable to accept any claims for losses or lost profits, etc. Resulting from the use of this product.
- TOSHIBA TEC will not guarantee the machine performance if you perform any setting other than specified in this manual.

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QUALITY SERVICE

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