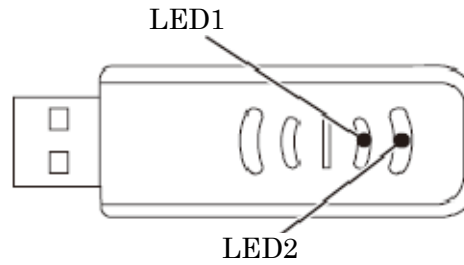


MX-EB13 WIRELESS LAN USB ADAPTER DATA SHEET

PART NAMES AND FUNCTIONS

Wireless LAN USB Adapter



LED indicator 1

When this indicator is blinking, the adaptor is communicating.

When this indicator is blinking slowly, the adaptor is not communicating or no connection is established.

LED indicator 2

When this indicator is lit, a connection is established.

When this indicator is blinking fast, the wireless setting is enabled or no connection is established.

When this indicator is blinking slowly, the wireless setting is disabled.

ADAPTOR SPECIFICATIONS

Model	MX-EB13
Type	Wireless LAN USB Adapter
Standards	IEEE 802.11n/g/b
Wireless Signal Rates With Automatic Fallback	11n: 6.5/13/19.5/26/39/52/58.5/65Mbps (20MHz BW, Long Guard interval) 7.2/14.4/21.7/28.9/43.3/57.8/65/72.2Mbps (20MHz BW, Short Guard interval) 13.5/27/40.5/54/81/108/121.5/135Mbps (40MHz BW, Long Guard interval) 15/30/45/60/90/120/135/150Mbps (40MHz BW, Short Guard interval) 11g: 6/9/12/18/24/36/48/54Mbps 11b: 1/2/5.5/11Mbps
Wireless Frequency Range	2.400GHz to 2.483.5GHz
Protocol	TCP/IP
Channel Number	Ch1-11
Receiver sensitivity	54M: -74dBm(typ) -65dBm(max) 11M: -90dBm(typ) -76dBm(max) 6M: -91dBm(typ) -82dBm(max) 1M: -95dBm(typ) -80dBm(max) MCS 0(20MHz):-89dBm(typ) -80dBm(max) MCS 7(20MHz):-70dBm(typ) -63dBm(max) MCS 0(40MHz):-87dBm(typ) -77dBm(max) MCS 7(40MHz):-68dBm(typ) -59dBm(max)
Spread Spectrum Method	Orthogonal Frequency Division Multiplexing (OFDM) (64QAM,16QAM,DQPSK,DBPSK) Direct Sequence Spread Spectrum(DSSS) (CCK,DQPSK,DBPSK)
Power	5V Bus powers
Wireless Transmit Power	Max. 19dBm
Security	WPA2-PSK(AES),WPA2-EAP(AES),WPA-PSK(TKIP/AES) WPA-EAP(TKIP/AES),WEP(128/64bit)
Bus Interface	USB 2.0
Antenna	Integrated internal antenna
Emissions	CE,FCC,IC
Package Content	Wireless LAN Adapter , Manual
Dimensions (W x D x H)	22.5x64x9.6mm
Weight	Approx.11g

SHARP®

MX-EB13 WIRELESS LAN USB ADAPTER SAFETY GUIDE

For Users in the USA

This device complies with Part 15 of 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.

WARNING:

FCC Regulations state that any unauthorized changes or modifications to this equipment not expressly approved by the manufacturer could void the user's authority to operate this equipment.

NOTE:

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 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 instruction manual, 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 in Supplement C to OET65. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body (excluding extremities: hands, wrists, feet and ankles).

For Users in Canada

This device complies with industry Canada licence -exempt RSS standard(s). 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 this 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 Class A digital apparatus complies with Canadian ICES-003.
Cet appareil numérique de la classe A est conforme à la norme NMB-003 du Canada.

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment and meets RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment should be installed and operated keeping the radiator at least 20cm or more away from person's body(excluding extremities: hands, wrists, feet and ankles).

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'IC.
Cet équipement doit être installé et utilisé en gardant une distance de 20 cm ou plus entre le dispositif rayonnant et le corps (à l'exception des extrémités : mains, poignets, pieds et chevilles).

Notice for Users in Europe / Hinweis für Benutzer in Europa / Avis pour nos utilisateurs en Europe / Opmerking voor gebruikers in Europa / Avviso per gli utenti europei / Aviso para usuarios de Europa / Bemærkning til brugere i Europa / Huomautus Euroopassa oleville käyttäjille / Bemærkning til brukere i Europa / Anvisningar för användare i Europa



Hereby, SHARP Electronics (Europe) GmbH declares that this Wireless LAN USB Adapter MX-EB13 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.

Par la présente, SHARP Electronics (Europe) GmbH déclare que l'appareil Wireless LAN USB Adapter MX-EB13 est conforme aux exigences essentielles et aux autres dispositions pertinentes de la directive 1999/5/CE.

Hiermit erklärt SHARP Electronics (Europe) GmbH, dass sich das Gerät Wireless LAN USB Adapter MX-EB13 in Übereinstimmung mit den grundlegenden Anforderungen und den übrigen einschlägigen Bestimmungen der Richtlinie 1999/5/EG befindet.

С настоящето SHARP Electronics (Europe) GmbH декларира, че Wireless LAN USB Adapter MX-EB13 отговаря на съществените изисквания и другите приложими изисквания на Директива 1999/5/EC.

SHARP Electronics (Europe) GmbH tímto prohlašuje, že Wireless LAN USB Adapter MX-EB13 splňuje základní požadavky a všechna příslušná ustanovení Směrnice 1999/5/ES.

Undertegnede SHARP Electronics (Europe) GmbH erklærer herved, at følgende udstyr Wireless LAN USB Adapter MX-EB13 overholder de væsentlige krav og øvrige relevante krav i direktiv 1999/5/EF.

Käesolevaga kinnitab SHARP Electronics (Europe) GmbH seadme Wireless LAN USB Adapter MX-EB13 vastavust direktiivi 1999/5/EÜ põhinõuetele ja nimetatud direktiivist tulenevatele teistele asjakohastele sätetele.

ΜΕ ΤΗΝ ΠΑΡΟΥΣΑ SHARP Electronics (Europe) GmbH ΔΗΛΩΝΕΙ ΟΤΙ Wireless LAN USB Adapter MX-EB13 ΣΥΜΜΟΡΦΩΝΕΤΑΙ ΠΡΟΣ ΤΙΣ ΟΥΣΙΩΔΕΙΣ ΑΠΑΙΤΗΣΕΙΣ ΚΑΙ ΤΙΣ ΛΟΙΠΕΣ ΣΧΕΤΙΚΕΣ ΔΙΑΤΑΞΕΙΣ ΤΗΣ ΟΔΗΓΙΑΣ 1999/5/ΕΚ.

Por la presente, SHARP Electronics (Europe) GmbH, declara que este Wireless LAN USB Adapter MX-EB13 cumple con los requisitos esenciales y otras exigencias relevantes de la Directiva 1999/5/EC.

SHARP Electronics (Europe) GmbH vakuuttaa täten että Wireless LAN USB Adapter MX-EB13 tyyppinen laite on direktiivin 1999/5/EY oleellisten vaatimusten ja sitä koskevien direktiivin muiden ehtojen mukainen.

Con la presente SHARP Electronics (Europe) GmbH dichiara che questo Wireless LAN USB Adapter MX-EB13 è conforme ai requisiti essenziali ed alle altre disposizioni pertinenti stabilite dalla direttiva 1999/5/CE.

Alulírott, SHARP Electronics (Europe) GmbH nyilatkozom, hogy a Wireless LAN USB Adapter MX-EB13 megfelel a vonatkozó alapvető követelményeknek és az 1999/5/EC irányelv egyéb előírásainak.

Ar šo SHARP Electronics (Europe) GmbH deklarē, ka Wireless LAN USB Adapter MX-EB13 atbilst Direktīvas 1999/5/EK būtiskajām prasībām un citiem ar to saistītajiem noteikumiem.

Šiuo SHARP Electronics (Europe) GmbH deklaruoja, kad šis Wireless LAN USB Adapter MX-EB13 atitinka esminius reikalavimus ir kitas 1999/5/EB Direktyvos nuostatas.

Hierbij verklaart SHARP Electronics (Europe) GmbH dat het toestel Wireless LAN USB Adapter MX-EB13 in overeenstemming is met de essentiële eisen en de andere relevante bepalingen van richtlijn 1999/5/EG.

SHARP Electronics (Europe) GmbH erklærer herved at udstyret Wireless LAN USB Adapter MX-EB13 er i samsvar med de grunnleggende krav og øvrige relevante krav i direktiv 1999/5/EF.

Niniejszym SHARP Electronics (Europe) GmbH deklaruje że Wireless LAN USB Adapter MX-EB13 jest zgodny z zasadniczymi wymaganiami i innymi właściwymi postanowieniami Dyrektywy 1999/5/EC.

Prin prezenta, SHARP Electronics (Europe) GmbH, declară că aparatul Wireless LAN USB Adapter MX-EB13 este în conformitate cu cerințele esențiale și cu alte prevederi pertinente ale Directivei 1999/5/CE.

SHARP Electronics (Europe) GmbH tímto vyhlasuje, že Wireless LAN USB Adapter MX-EB13 spĺňa základné požiadavky a všetky príslušné ustanovenia Smernice 1999/5/ES.

SHARP Electronics (Europe) GmbH izjavlja, da je ta Wireless LAN USB Adapter MX-EB13 v skladu z bistvenimi zahtevami in drugimi relevantnimi določili direktive 1999/5/ES.

Härmed intygar SHARP Electronics (Europe) GmbH att denna Wireless LAN USB Adapter MX-EB13 står i överensstämmelse med de väsentliga egenskapskrav och övriga relevanta bestämmelser som framgår av direktiv 1999/5/EG.

For Use in Europe

Warning:

This is a Class A product. In a domestic environment this product may cause radio interference in which case the user may be required to take adequate measures.

Attention :

Le présent appareil est un appareil de classe A. En environnement domestique, ce produit peut être à l'origine d'interférences radio. L'utilisateur devra dans ce cas prendre les mesures adéquates.

Achtung:

Dies ist ein Klasse-A-Gerät. Bei der Verwendung in Haushalten kann es Funkstörungen verursachen, so dass der Betreiber geeignete Maßnahmen ergreifen muss.

Внимание:

Этот аппарат относится к изделиям класса А. В домашних условиях он может создавать радиопомехи; в этом случае пользователь должен предпринять необходимые меры.

Advarsel:

Dette er et klasse A-produkt. I hjemmemiljø kan dette produktet forårsake radiointerferens, og i så fall må brukeren komme med egnede tiltak.

Προειδοποίηση:

Αυτό είναι ένα προϊόν κλάσης Α. Σε οικιακό περιβάλλον το προϊόν αυτό μπορεί να προκαλέσει ραδιοπαρεμβολές και στην περίπτωση αυτή ο χρήστης πιθανόν να χρειαστεί να λάβει τα απαραίτητα μέτρα.

Advertencia:

Este producto es de Clase A. En un entorno doméstico, este producto podría provocar interferencias de radiofrecuencia, en cuyo caso, el usuario podría verse obligado a tomar las medidas adecuadas.

Varoitus:

Tämä on A-luokan tuote. Kotitalouskäytössä tämä tuote voi aiheuttaa radiohäiriöitä ja tuolloin käyttäjän pitää ryhtyä tarvittaviin toimenpiteisiin.

Attenzione:

Questo è un prodotto di classe A. In un ambiente privato, questo prodotto può essere all'origine di interferenze radio. L'utente dovrà in questo caso prendere delle misure adeguate.

Figyelmeztetés:

Jelen termék A Osztályú. Szűk környezetben jelen termék elektromos interferenciát okozhat, mely esetben a használatnak meg kell tennie a megfelelő intézkedéseket.

Varování:

Kopírovací stroj představuje výrobek třídy A. Je-li stroj provozován v domácnostech, může způsobovat rušení jiných zařízení a uživatel proto musí provést odpovídající opatření.

Waarschuwing:

Dit is een klasse A product. In een woonomgeving kan dit product radiostoringen veroorzaken. In dit geval moet de gebruiker eventueel passende maatregelen treffen.

Advarsel:

Dette er et klasse A-produkt. I et hjemmemiljø kan dette produkt skabe radiointerferens, i hvilket tilfælde brugeren har pligt til at træffe de passende foranstaltninger.

Ostrzeżenie:

Produkt jest urządzeniem laserowym klasy A. W gospodarstwie domowym może on powodować zakłócenia odbiorników radiowych i w takim przypadku właściciel jest zobowiązany do podjęcia środków, które zapobiegą takim zakłóceniom.

Aviso:

Este equipamento é um produto de Classe A. Num ambiente doméstico este produto pode provocar interferências rádio em cujo caso o utilizador pode ter de adoptar medidas adequadas.

Avertizare:

Acesta este un produs Clasa A. In mediul casnic acest echipament poate interfera cu undele radio si in acest caz este necesar ca utilizatorul sa ia masuri adecvate.

Varovanie:

Stroj predstavuje výrobok triedy A. V prípade používania v domácnosti môže spôsobovať rádiové rušenie a užívateľ bude musieť vykonať zodpovedajúce opatrenie.

Varning:

Detta är en klass A produkt. Inom tätbebyggt område kan denna produkt åstadkomma radiostörningar. I detta fall kan användaren bli ombedd att vidtaga lämpliga åtgärder.

Uyarı:

Bu bir A Sınıfı üründür. Ev ortamında bu ürün, kullanıcının yeterli tedbirleri almasını gerektirebilen radyo girişimlerine yol açabilir.

The declaration of conformity may be consulted at:

La déclaration de conformité peut être consultée sur le site:

Die Konformitätserklärung kann unter folgender Adresse gefunden werden:

Декларацията за съответствие може да бъде видяна тук:

Prohlášení o shodě je k dispozici na:

Overensstemmelseserklæringen kan findes på:

Vastavusdeklaratsiooni võib vaadata aadressilt:

Μπορείτε να συμβουλευτείτε τη Δήλωση Συμμόρφωσης στην:

Pueden consultar la declaración de conformidad en:

Vakuutus on nähtävissä osoitteessa:

La dichiarazione di conformità può essere consultata sul sito:

A Megfelelőségi Nyilatkozat a következő címen érhető el:

Atbilstības deklarāciju var atrast:

Jo atitikties deklaracija galima rasti šiam tinklalapyje:

De overeen-stemmingsverklaring is beschikbaar op:

Deklaracja zgodności jest dostępna pod adresem:

Declarația de conformitate poate să fie consultată la adresa de Internet:

Vyhlasenie o zhode si možno pozriet' na:

Izjava o skladnosti je na voljo na vpogled na:

Deklaration om överensstämmelse är tillgänglig på web adressen:

Samsvarserklæringen kan lastes ned her:

<http://www.sharp.de/doc/MX-EB13.pdf>

SHARP ELECTRONICS (Europe) GmbH

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