

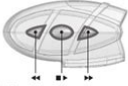
realizar una llamada, nunca se debe hacer con la moto en marcha).

#### Llamada telefónica a tres

La función Intercomunicador se desactiva temporalmente mientras hay una llamada en curso. Sin embargo, se pueden añadir otros usuarios a la conversación activando la función comunicación a tres. Una vez se establece la comunicación, pulse brevemente la tecla "Intercom" en el BTZ que ha recibido la llamada (descargará un tono de confirmación). Para volver a una conversación privada, pulse de nuevo la tecla "Intercom" (descargará dos tonos de confirmación).

#### Uso del MP3 de su teléfono móvil

Muchos teléfonos móviles han sido diseñados para usarse como reproductores MP3. Su Módem BTZ soporta los protocolos A2DP y AVRCP que le permiten escuchar la música en estéreo y controlar remotamente la función MP3 de su teléfono móvil. Puede incluso utilizar las teclas del BTZ para controlar las siguientes funciones:  
Play, Pausa, Forward (adelante) y Backward (atras).  
**Atención:** El control remoto solamente es posible si el reproductor MP3 soporta el protocolo AVRCP.



#### Controles disponibles:

- Para activar el MP3 conectado, mantenga pulsada la tecla "Intercom" durante 2 segundos.
- Para actuar sobre la música, mantenga pulsada la tecla "Intercom" durante 2 segundos.
- Para salir a la siguiente canción, pulse brevemente la tecla "Play/Pausa".
- Para volver a la canción anterior, pulse brevemente la tecla "Backward".

comunicación con el navegador es continua y tiene la más alta prioridad.

#### Para desactivar el reproductor MP3, pulse la tecla "Intercom" (dos 2 veces de confirmación).

Para activar el Intercom basta con hablar o, para una activación manual, desactive primero el MP3, pulse la tecla "Intercom" y pulse otra vez para activar el Intercom.

#### Uso de las funciones de un navegador

Para usar las funciones de un navegador, asegúrese de que las dos unidades están encendidas y sincronizadas correctamente, siguiendo el proceso de sincronización descrito en la sección "Sincronización de la unidad con un navegador".

**Prioridad:** la comunicación con un navegador tiene la más alta prioridad. Lo que quiere decir que cuando se activa esta comunicación, se desactivan temporalmente el resto de comunicaciones (intercomunicador, música o telefonía). Una vez que la comunicación con el navegador finaliza, el resto de comunicaciones se restablecen automáticamente.

**Escuchar los comandos de voz de su navegador**  
Las instrucciones de tráfico del navegador se transmiten inmediatamente cortando temporalmente el resto de comunicaciones. Una vez terminadas esas instrucciones, el BTZ restablece automáticamente las comunicaciones existentes.

**Escuchar la música desde su navegador**  
Los navegadores más modernos permiten escuchar música mientras no transmiten ninguna información. En este caso, la comunicación con el navegador es continua y tiene la más alta prioridad en comparación con los otros dispositivos activos.

Sin embargo, se puede activar el intercomunicador al mismo tiempo, mientras se escucha la música, pulsando la tecla "Intercom" para abrir la comunicación a tres. Para más información, vea la sección más abajo "Comunicaciones a tres con el navegador".

#### Usar un teléfono móvil con un navegador

Si ha sincronizado un navegador con su Módem BTZ, no podrá conectar el teléfono móvil directamente al BTZ, en su lugar,

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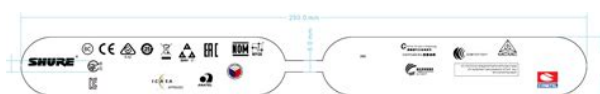
## Book Descriptions:

# Bt2 manual



Press and hold the center button on the earphone remote until the LED flashes blue and red. Simply detach and return the broken earpiece for easy replacement. Press and hold, 7 seconds Press and hold, 15 seconds. Hold past pairing mode until earphones turn off again. Visit for more information. Risk of fire or burns. Consult your physician on whether this might affect your implantable medical device. 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 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. Cet appareil numérique de la classe B est conforme a la norme NMB003 du Canada. Operation of this device 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 present appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisee aux deux conditions suivantes 1 l'appareil ne doit pas produire de brouillage, et 2 l'utilisateur de l'appareil doit accepter tout brouillage radioelectrique subi, meme si le brouillage est susceptible den compromettre le fonctionnement. <http://dodatnojamstvo.com/userfiles/dbx-manual-download.xml>

- **bt2 manual, shure bt2 manual, rmce-bt2 manual, tp08g-bt2 manual, shure rmce-bt2 manual, shure se215 bt2 manual, delta tp08g-bt2 manual, midland bt2 manual, bose bt2 manual, midland bt2 manuale d uso, bt2 manual, bt2 manual pipe beveler, bt2 manual pipe beveler, midland bt2 manual, bose bt2 manual, bt2 bluetooth communicator manual.**

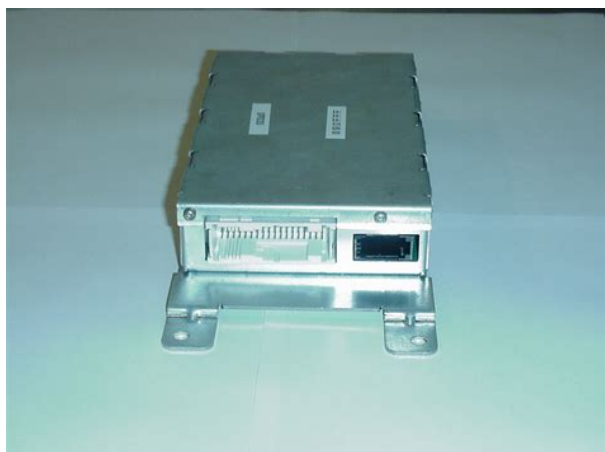


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of their respective owners. The disposal at the communal collecting point via private persons is for free. The owner of old appliances is responsible to bring the appliances to these collecting points or to similar collection points. With this little personal effort, you contribute to recycle valuable raw materials and the treatment of toxic substances.

**Description of the unit and installation brackets**

**Description of the BT2 unit** The BT2 has 5 multifunction buttons on the front and 3 wired connections in the lower section. Devices with priority 1 must be paired with the BT2 unit using the "Phone" button. Devices with Medium priority 2 This priority can be assigned only to another BT2 with Intercom feature. If the devices are not part of the same kit, or one of the BT2 units has been purchased separately, you need to pair them in order to be able to use the Intercom function. Press and hold the Intercom button center button for 3 seconds. If the cell phone is connected via the GPS SatNav, the cell phone features can only be managed via the GPS itself. You can even use the buttons on the BT2 unit to control the following play options Play, Pause, Forward and Backward. To use these devices, be sure your BT2 and other device are both turned on and correctly paired together, following the pairing procedure described in the "Pairing the unit with other. Please DO NOT send cash or checks. Make Money Orders to Midland Radio Corporation. MIDLAND is not responsible for unintentional errors or omissions on its packaging. Midland Radio Corporation Kansas City, MO. 64120 Charging batteries.4. <http://clientcashrewards.com/images/dbx-mini-pre-manual.xml>



**Description of the unit and installation brackets.**

4. Typical configurations of BT2.6. General considerations on priority.6. Switching your Midland bt2 on and off.7. Pairing with Bluetooth devices.7. Adjusting the volume.9. Using the features of the Bluetooth devices.9. Using the wired audio input.13. Using a Two Way Radio transceiver.13. Special configurations.13. Recommendations for specific uses.14

The Midland BT2 is GPS SatNavs and MP3 players. Intercom system or Rider to Rider in bike mode, within a maximum range of 200 meters. The Midland BT2 is also supplied

Midland BT2 is available in two versions. Depending on the model purchased, the package contains the BT2 Intercom MP3 players. Velcro strip for assembly. BT2 Intercom TWIN Velcro strip for assembly. The units included in the TWIN kit are already paired and can

**Technical specifications**

**General Bluetooth connections**

**Wire connections.** Attention before using BT2 for the first time, remember Attention Midland BT2 is designed to withstand rain and This manual is divided into 5 main sections. To easily configure your BT2 unit, please follow the sequence Follow the procedure

**Description of the unit**

**Description of the bt2 unit.** The BT2 has 5 multifunction buttons on the front and 3 wired Phone. Volume . Intercom Charger. Audio kit Make sure that the unit is fully charged before use. Allow at Charge the unit by inserting the wall charger into the charging

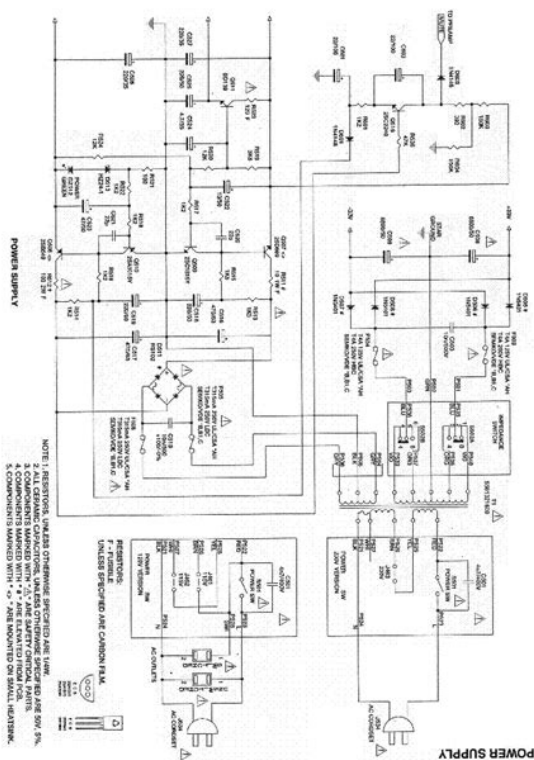
**Description of the button features**

**Description of the wired connections**

**Fixing the stereo speakers.** The two stereo speakers have a. Beware to not completely cover your ear with the speakers, The microphone can be fixed onto the helmet in two ways Plate with adhesive strip. The

fixing plate has a biadhesive strip on one of its sides. ToClamp. Using the Allen Key, loosen theFitting and removing your Midland BT2.

The BT2 can be easily fitted onto the helmet by sliding it downwards so that it fits into the slot of the selected fixing deviceBT2 is maintained in position thanks to the fixing clip locatedThe audio kit must then be connected to the central jack of the. Midland BT2 Intercom unit using the “L” shaped connector. This connector is very flexible and can be easily adapted toDescription of the installation brackets. The Midland BT2 can be fixed onto the helmet in two differentTo detach the BT2, simply press the fixing clip and push theMobile phones etc to their own headsets and still be able to communicate with each other via the Intercom. General considerations on priority. The Midland BT2 is a Bluetooth unit that can be paired withGPS, MP3 player, etc. Depending on the type of device, Midland BT2 assigns operating priorities; for example calls have a higher priority compared to music. This means that if a call arrives whilst you areThere are three priorities available to meet the most common requirements.BT2 and PMR446 transceivers”. Pillion depending on needs eachRider’s GPS system and MP3 stereo player or mobile phone with. MP3 feature to listen to musicPMR446 transceiver to all motorbikes in order to communicate asDevices with high priority 1. Because of their use, mobile phones and GPS SatNavs always have a higher priority compared to other connected devices. Therefore, an incoming call or instruction from a GPSDevices with Medium priority 2. This priority can be assigned only to another BT2 with Intercom feature. Enabling the Intercom feature disables all otherMP3 players, Bluetooth adapters or PMR446 transceiversDevices with priority 3 must be paired with the BT2 unit usingMidland BT2 can also be paired with audio devices by meansThis connection has the lowest prioritySwitching your Midland bt2 on and off. BT2 can be switched on by means of the central button labeled “Intercom”.Pairing with Bluetooth devices.



Your Midland BT2 is a Bluetooth unit that can be paired with Before performing this procedure, it is necessary to set BT2 The only operations permitted in this mode are the pairing Setup mode. Switch off the BT2 device. Press and hold down the central BT2 is now in "Setup" mode and can Pairing the unit with another BT2 unit. The two units supplied in the Midland BT2 Intercom TWIN If the devices are not part of the same kit, or one of the BT2 RED and BLUE lights begin to flash rapidly and alternately. RED and BLUE lights begin to flash rapidly and alternately. Now both BT2 units are trying to pair to each other. When successfully paired, each device will light the BLUE light Switching the unit on Switching the unit off Pairing the unit with your mobile phone The two Midland BT2 units can be paired by means of Select it and follow the instructions provided Your mobile phone should then display a confirmation If you pair the BT2 unit with a mobile phone, you will not be This problem can be easily solved by pairing your mobile GPS with your Midland BT2 using the above procedure. In GPS SatNav. Pairing the unit with a GPS SatNav. It is generally possible to pair the BT2 unit with all GPS SatNavs that support Bluetooth earpieces. Midland BT2 has been successfully tested for use with GPS. ZUMO SatNavs manufactured by Garmin and TOMTOM Rider 1 and 2 SatNavs. Press the "Phone" button on the BT2 unit until the red and BT2". Select it and follow the instructions provided in the. GPS SatNav manual to accept the pairing. When prompted, enter the pairing code, which is 0000 four zeroes.

<https://ddim.com/images/bosch-ts3000-table-saw-manual.pdf>



The GPS should then display a confirmation message if If you pair the BT2 unit with a GPS SatNav, you will not be This problem can be easily solved by pairing the mobile phone In this case, the mobile phone features Pairing the unit with a Bluetooth Enabled MP3 NB Not all MP3 players are "Bluetooth Enabled" Please As the procedure varies according to the brand and Press the "AUX" button on the BT2 unit until the red and Select it and follow the instructions provided in If requested, MP3 player should then display a confirmation message Pairing the unit with other Bluetooth devices. The Midland BT2 can also be paired with other Bluetooth devices such as non Bluetooth enabled products connected to. Bluetooth adapters for example any personal audio product BT2 unit then returns to the Setup mode red indicator permanently on to indicate that it is ready to be paired with Sometimes you may find it necessary to delete all the pairing To perform this operation, simultaneously press and hold. The Blue Light will be lit on for 1 sec. This procedure deletes all the paired Bluetooth devices stored Exiting from the Setup mode. After you have paired the desired Bluetooth devices, you must Press and hold the Intercom button centre button for 3 seconds. The red indicator switches off and the blue one starts to flash. You can now use your BT2. Reconnecting the unit to bluetooth devices. After successfully pairing your devices, you can switch them If a connection failure occurs between the two devices for Simply switch the device on again or move within the maximum range. If the connection cannot be reestablished automatically, select the device from the "devices menu" of your. Bluetooth device for example mobile phone, MP3 player. Adjusting the volume. Your Midland BT2 uses AGC technology, which automatically However, it is also possible to manually adjust the volume by.



For example, you can manually adjust the maximum volume in This operation is useful because each type and standard of Using the features of the bluetooth Using the intercom feature. To use the Intercom feature, be sure both units are turned on If you have purchased a "single" version, follow the pairing BT2 unit" above. Priority Intercom communications always have a higher priority, compared to other communications, with Therefore, the Intercom feature automatically disables all The Intercom feature is disabled only when an incoming call or Attention some mobile phone release the line after a few The Intercom feature can be enabled in two ways. Manual activation. Communication is enabled and remains active until you press the You will hear 1 audio tone when If no device is found within this interval of time, the BT2 To start again the search, repeat the pairing procedure To start an Intercom The communication To reenale it, simply start Attention when you use the Intercom feature, the first Two Midland BT2 units can communicate up to a maximum It is therefore The maximum range depends on the environment the units are being used in. Using the telephone feature. To use the Telephone feature, be sure both units are turned on Attention information provided in this section refers to If the mobile phone is Priority Calls are always private and have a high priority, Answering a call. When you hear the phone ring, you can answer in two different Vocally. Simply say one word to answer the call and start talking. Remembering that you can only do this if you answer the call Manually. Tap the "Phone" button and start speaking. Rejecting a call. If you don't wish to answer, you can let the mobile phone ring Making a call. There are several ways to make a call. From the mobile keypad. Dial the number on the mobile keypad To redial the last number To make a voice call.

If your mobile phone supports voice calls, you will be asked to spell the name of the The correct operation of this feature depends on the type of Attention if you are listening the music using an MP3. Player connected via Bluetooth A2DP protocol, you will Ending a call. There are several ways to end a call The Intercom feature is temporarily disabled when a phone call Therefore, the music will always Using the MP3 player feature of the mobile To use the features of your GPS SatNav, be sure both units SatNav" section. Priority communications with the GPS SatNav have the highest priority, which means that the enabling of these communications causes the temporary disabling of all other communications Intercom, music or two way radiotransceiver. Once Many mobile phones are now designed to be used as stereo. MP3 players. Your Midland BT2 fully supports the A2DP and. AVRCP protocols that enable you to listen to stereo music and You can even use the buttons on the BT2 unit

to control the Play, Pause, Forward and Backward. Attention The remote control is enabled only if the MP3 Available controls To open the Intercom communication just talk or, for a manual Using the features of your gps satnav. Listening to voice instructions from your GPS SatNav. Traffic directions from your GPS SatNav will always be immediately transmitted by temporarily disabling all other active communications. Once these voice directions have been Listening to music from your GPS SatNav. The most popular GPS devices usually enable you to listen In this case, the However, it is possible to enable the Intercom feature at any For further information, see the "3way communications with the GPS SatNav" section below. Using a mobile phone with a GPS SatNav. If you have connected a GPS SatNav to your Midland BT2, By doing so, all the mobile phone features will be managed directly by your GPS SatNav.

<https://fatheragneliti.com/wp-content/plugins/formcraft/file-upload/server/content/files/1626c2f0cb00d8--10500-manual.pdf>

For information on how to To reestablish The Intercom feature is temporarily disabled when communication with your GPS SatNav is active street indication or When the communication with the GPS is active, briefly press SatNav you will hear an audio confirmation tone. The pillion It's even possible to use the buttons Pause, Forward and Backward. Using other bluetooth devices. Midland BT2 can also be paired with other Bluetooth devices Two Way Radio transceivers with builtin Bluetooth for example Midland 445BT. This can be a great advantage as it is possible to then increase your "Bike to Bike range" up to 5kms! To use these devices, be sure your BT2 and other device are Bluetooth devices" section. Paired devices can be enabled or disabled without canceling In this case the device is simply temporarily disconnected from Priority communications with other Bluetooth devices Attention if you use your GPS SatNav to listen to music Using a Bluetooth MP3 player. The Midland BT2 fully supports the A2DP protocol that enables you to listen to stereo music and manage the main fea To open the Intercom communication just talk or, for a manual It is not possible to guarantee the full compatibility with Using a Bluetooth adapter. Your Midland BT2 can be connected to an external Bluetooth Using a Bluetooth Enabled Two Way Radio. The Midland BT2 can be connected to Bluetooth Enabled Two. Way Radio such as Midland 445BT and used for bike tobike Your Midland BT2 is also fitted with a wired audio input labeled AUX, that can be used to connect a stereo audio source, Priority the wired audio input has the lowest priority Listening to music. To listen to music from the wired input, connect the audio The volume level is automatically adjusted by the AGC system, which.

<BAUGHERS.COM/ckfinder/userfiles/files/canon-ixus-60-service-manual.pdf>

MP3 player to a level that will allow you to listen to music in Attention never set the volume of the MP3 Player to the Hint We recommend that you perform a few tests adjusting The AGC system will automatically increase the volume on The wire input can be enabled and disabled by means of the Using a Two Way Radio transceiver. To be able to use the transceiver, it is necessary to purchase To communicate via the attached radio, press the transmission Press Top Talk PTT button to speak and release it to Adjust the volume of the transceiver to your needs, remembering that the volume adjustment is controlled by the automatic. AGC system and that it will therefore be automatically increased in relation to background noise. Special configurations. Your Midland BT2 can be configured with customized settings In particular, expert users may configure the following "advanced" features. Adjust the microphone sensitivity. Disable the VOX feature. Permanently enabling 3way communications. Bluetooth communications with a low priority and audio communications transmitted by the wired connection are usually By enabling This feature can be useful, for example, if you wish to maintain Intercom communications and simultaneously talk using In addition it also allows you to share the music between Rider Enter the Setup mode. Your BT2 is now set in Setup mode. The red light switches off and the You can now use the BT2. Attention if the Bluetooth device is a stereo MP3 player, Enabling the intercom by voice vox. The Intercom feature

can be enabled both manually and vocally VOX. The VOX activation is influenced by the background. For optimum results, it is possible to choose one of the following four microphone sensitivity levels: high, medium, low.

The default. It is also possible to disable the VOX feature in order to activate the Intercom and phone call answering features in manual. Adjusting the sensitivity of the microphone VOX. Press and hold down the central button Intercom until the Your BT2 is now in. Every time you press the Volume buttons. When you reach The red light. You can now Disabling the VOX feature Intercom and telephone. In addition to the 4 microphone sensitivity levels, there is a fifth. Press now the Follow now the procedure. To enable it again, perform the complete procedure above. Recommendations for specific uses. The section that follows, provides a few useful suggestions on Using a PMR446 transceiver with the Intercom feature Rider to Pillion. If you wish to use a PMR446 transceiver for group communications and simultaneously maintain the Intercom feature enabled between the pilot and passenger, you must remember. Consequently, radio communications will be disabled whilst. This can be prevented in two ways, which are. Disable the VOX feature, as explained in the previous section. To enable the Intercom. Intercom button manually. This operation disables radio communications that will be automatically reenabled when the. Intercom feature is disabled. Attention! If you disable the VOX feature, you will only. Permanently enabling 3way communications. If you enable this feature as explained in the previous section, every time you talk the Intercom is enabled, but the two-way radio transceiver communications are not disabled. This. Share the music between Rider and Pillion. If you wish to share the same music between the Rider and. Attention. Only those who are connected to music by. Attention. It is not possible to share music if the source. Single Blue flash every 3 seconds. Triple red flash. Single Blue flash every 3 seconds. Single Red flash every 3 seconds. RED and BLUE together every 3. RED and BLUE together and one flash. Single red flash every 2 seconds. Status.

Unit is switched off or full charged when connected to the power supply. Unit being turned on. Unit being turned off. Standby. Standby low battery. Active Intercom, phone call or Bluetooth connection in progress. Active but low battery. Unit in charge when connected to the power supply. Rapid Red/Blue alternating flash. Steady Blue for two second. Blue light two time long flash. Setup mode. Pairing mode searching for devices. Three way disabled. Audio signals. Ascending tone low/high. Descending tone high/low. Status. Specific feature turned on. Specific feature turned off. Turn off the unit. Increase the volume. Decrease the volume. Press the Intercom button for 3 seconds at least start Blue flash. Press the Intercom and AUX button together for 3 seconds triple Red flash. Short or continues press on the Volume Up control. Short or continues press on the Volume Down control. Reject a call. Short press the Phone button and state the name of the person to call. Long press of the Phone button. During a phone call, short pressure of the Intercom button on the unit which received. Short pressure of the Intercom button. GPS Navigator. The control is done only by the GPS. Stop using the Intercom. BLUETOOTH MP3 player. Forward next song. Backward previous song. Deactivate the MP3 Player. Stop talking after 20 sec. While the music play, short press of the Phone button. While the music play, short press of the AUX button. Press the "Intercom" button. OTHER BLUETOOTH DEVICES dongle, 2way radio. Long press of the AUX button. Pairing a Phone or a GPS Navigator. Pairing a Bluetooth device. Pairing another BT2 unit. Reset all paired devices. Short press of the AUX button. Press the Intercom button for 7 seconds while the unit is off. While in Setup mode, press the phone button until the LED light flash Red and Blue. While in Setup mode, press the AUX button until the LED light flash Red and Blue. Blue alternately, press the Volume on the other unit the light will flash Red and. Blue alternately.

On a successful pairing, both light turn to Blue for one second. On a successful. Voice Dial in stand by mode. Redial Last number in stand by mode. Conversation among passenger, driver. Change VOX sensitivity or disable it. Exit SETUP mode. While in Setup mode, press the Phone and AUX buttons for 3 sec. While in Setup mode, press short the AUX buttons blue light on. Press again the AUX



button to Blue light flashing. While in Setup mode, long press the Intercom button. The Red light will turn off and FCC Compliance Information. This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions. Warning! Changes or modifications to this unit not expressly approved by Midland Radio Corporation could void the user's PDF Version 1.5. Linearized No. Encryption Standard V2.3 128bit. User Access Print, Extract, Print highres. Page Count 19. XMP Toolkit XMP toolkit 2.9.113, framework 1.6. About uuid297ce82d3223492da37bb53aecda45e2. Document ID uuid32dc6e74df82433f93020b0695dc1688. Creator Adobe Acrobat 6.0. Producer Adobe PDF Library 8.0. A dedicated, premium headphone amplifier provides superior, highfidelity audio quality with wireless capability. Bluetooth 5.0 is also backward compatible and will integrate with all Bluetooth sources. Battery allows up to 10 hours of play time with up to 350 hours of standby time and is rechargeable via USB MicroB cable. More information Answer phone calls and control your music playback with just one click. Any repair must be done exclusively by qualified personnel of Energy Sistem Soyntec S.A. The LED placed behind that button will start flashing. In case your headphones were already paired with another bluetooth device, they will try to connect to it. If the connection fails, they will enter pairing mode. This sound will repeat every minute until the battery runs out. Do not store or leave unused for a long period of time with the battery completely discharged.

The synchronization will start automatically without the need of any pairing code. Just press and hold the multifunction button for about 2 seconds and they will enter into pairing mode, breaking the connection with the previous device. In case you are listening to a song when receiving a phone call, the music will stop automatically and you will hear a ring tone. To do so, press the multifunction button 1 twice and it will automatically make the phone call. Once you reach the maximum volume level you will hear a beep sound through the headphones. Batteries are excluded from the 36month warranty, having a warranty period of 12 months. This warranty does not cover any product failure due to accidents, misuse or alteration made by an unauthorized person. For other countries, please refer to your specific legislation or your local distributor. You can check the availability of the user manual in your language at For more information, please contact the local authority or dealer where you purchased the product. There is a secondary SPI header on the board for updating the RN42 firmware if needed, however this port is not used under normal operation. When paired with an Android, Linux, Mac OS X, or Windows computer, the Pmod BT2 looks like a serial COM port similar to how a USBUART bridge or RS232 serial port behaves. The Pmod BT2 can be easily configured from the Bluetooth connected computer by entering a "Command Mode" that allows settings such as UART baud rate to be programmed into nonvolatile configuration registers. This is accomplished by using the onboard jumper settings to control an automated discovery process of the two Pmod BT2s. In this way you can communicate wirelessly between two embedded devices without complicated software like is required with WiFi or 802.15.4 solutions. Communicate wirelessly with simple serial prints and reads! By default, the UART interface uses a baud rate of 115.2 kbps, 8 data bits, no parity, and a single stop bit.

The startup baud rate may be customized to predefined rates or set to a specific user customized baud rate ranging from 1200 bps to 921 kbps. If the RST pin is toggled, the device will undergo a hard reset. This hard reset performs similarly to a power cycling of the device. The second interface besides the standard UART signals is the STATUS pin also on J1. The STATUS pin directly reflects the connection status of the device. STATUS is driven high by the device when connected and is driven low otherwise. These jumpers are all sampled in the first 500 ms of operation and configure the RN42 modules behavior whether they are shorted or unshorted when the Pmod BT2 is powered up. This only works if JP1 was initially shorted before the Pmod BT2 was powered on. Also, each transition must be separated by a 1 second pause. If done correctly, the LED on the Pmod BT2 will blink rapidly. This may be used so that the Pmod BT2 operates as a substitute for an RS232 cable. JP3 enables auto connect to a stored address defined by the user. Finally, JP4 chooses whether to

operate at the stored baud rate 115.2kbps default or a baud rate of 9600 regardless of the software selected rate when shorted. The onboard RN42 module will strip out the Bluetooth headers and footers as data is given to the user through the UART header. It will automatically construct the Bluetooth packet when the user provides data to it from the UART port. In order to exit command mode, send "—" three minus signs in a row and where stands for the carriage return character to which the device will respond "END". Remote configuration, or configuration over a Bluetooth connection, is possible through the command mode but has several restrictions. The configure time, which defaults to 60 sec, defines the time window in which the Pmod BT2 may be configured remotely. Outside of this time, the Pmod BT2 will not respond to any remote commands.

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