

EXP03C

CRADLE/iPod nano ADAPTOR/GAP FILLER

EXP03D

Bluetooth® AUDIO TRANSMITTER

FCC Statement

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 consult the dealer or an experienced radio/TV technician for help.

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.

RF exposure warning

The equipment complies with FCC RF exposure limits set forth for an uncontrolled environment.

The equipment must not be co-located or operating in conjunction with any other antenna or transmitter.

EXP03C and EXP03D

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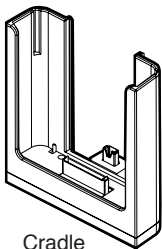
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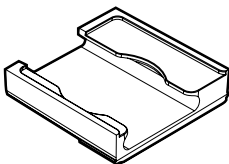
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1. WHAT IS INCLUDED IN EXP03C AND EXP03D?

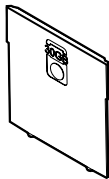
A complete EXP03C package consists of the following items:



Cradle



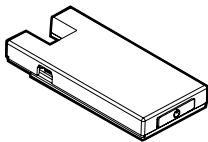
iPod nano 2nd Gen Adaptor



Gap Filler

EXP03C/EXP03D

A complete EXP03D package consists of the following item:



Bluetooth® Audio Transmitter

2. PRODUCT FEATURES OVERVIEW

Exposure Bluetooth® Audio Transmitter (EXP03D) with iPod Cradle Support

The EXP03D is an Audio Transmitter featuring *Bluetooth®* wireless technology that supports EXP03C to allow you to stream your favourite music from your iPod or alternative music source to your home system.

- **Auto features:**

- Auto-power off after 3 minutes of no activity state.
- iPod will auto-power off when *Bluetooth®* Audio Transmitter (used with iPod Cradle) is powered off.
- Auto-connect with last paired device.

- **Music streaming features:**

- Music streaming from any music source (e.g. MP3 player, laptop) using audio stereo cable.
- Music streaming with iPod when used with iPod Cradle.

- **Charging features:**

- Dual charging (Transmitter and iPod) when used with iPod Cradle.
- Uninterrupted streaming when charging.

The EXP03D can be used as:

- **iPod Transmitter with Bluetooth® wireless technology**

You can dock your iPod onto the Transmitter unit (used with iPod Cradle) and stream music directly from your iPod to ***Bluetooth® Audio Transceiver (EXP03R)***.

- **General purpose transmitter with Bluetooth® wireless technology**

You can connect any external audio player to the Transmitter unit via an audio stereo cable. Music can be streamed through the ***Bluetooth® Audio Transceiver (EXP03R)***.

3. UNIT SETUP

Setting Up EXP03C and EXP03D

Bluetooth® Audio Transmitter

The EXP03D is designed to work with iPod Cradle (EXP03C) for ultimate wireless iPod playback support.

The Transmitter unit can be latched with the iPod Cradle to form an iPod Bluetooth® Audio Transmitter unit.

1. Slide in the Transmitter unit to the Cradle unit. Make sure the 14-pin outlet socket is connected properly.
2. Optional step for iPod Video model: Slide in the Gap filler for using 30GB iPod Video with Cradle (shown in Fig. 1). 60/80GB iPod Video is used without the adaptor Gap filler.
3. Optional step for iPod nano 2nd generation model: Slide in the iPod nano 2nd generation adaptor (shown in Fig. 2).
4. Dock the iPod to the Cradle.

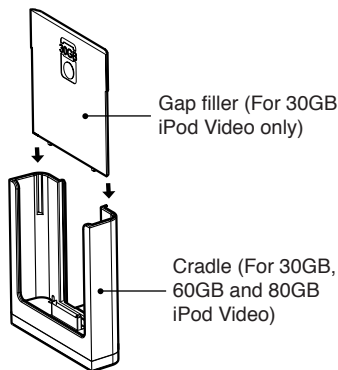


Figure 1: Use the iPod Cradle with Cradle Gap filler (For 30GB iPod Video only)

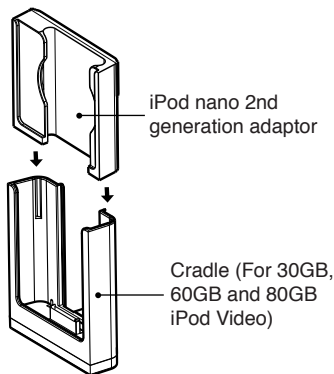


Figure 2: The adaptor used is only compatible with 2nd generation of iPod nano.

3. UNIT SETUP

EXP03C/EXP03D

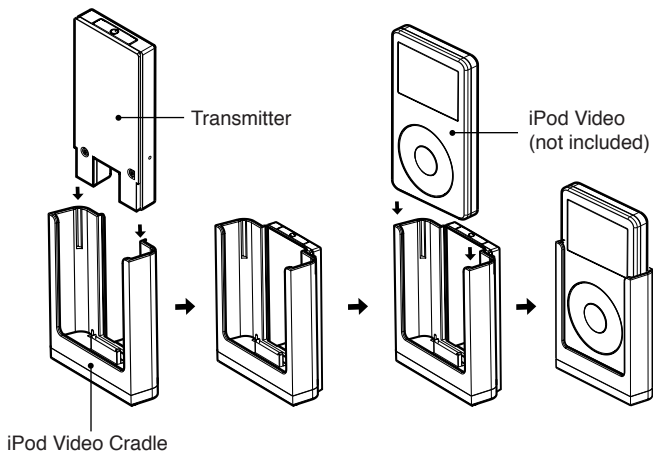


Figure 3: Use the EXP03D with iPod and iPod Cradle EXP03C

3. UNIT SETUP

General purpose Bluetooth® wireless transmitter

1. Select an external audio source (e.g. line-out of a laptop, PC or any MP3 player). The audio jack output for external source may vary depends on the device.
2. Use an audio stereo cable to connect the output of external audio source to the input (2.5mm stereo jack) of the Transmitter.

EXP03C/EXP03D

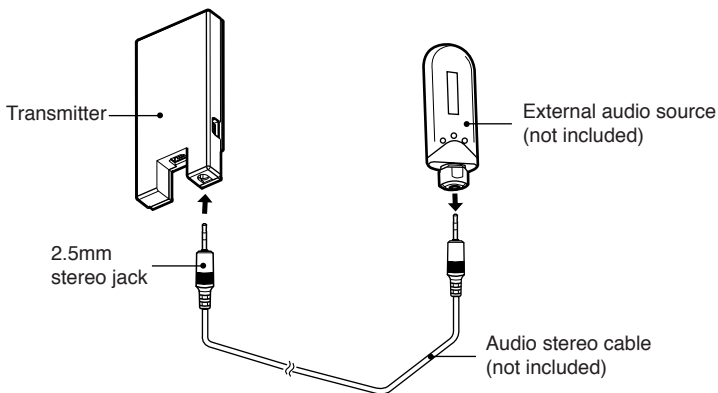


Figure 3: Use the EXP03D with alternative audio source

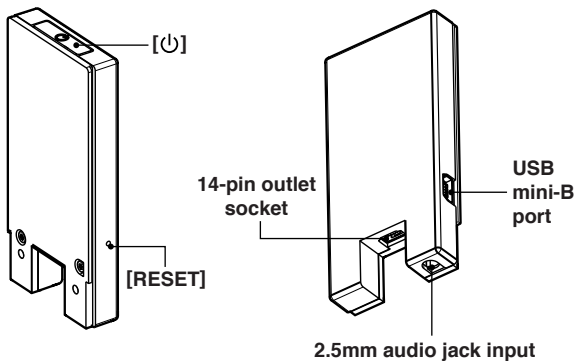
Note:

- The *Bluetooth*® Audio Transmitter will not be able to fit into the EXP03R if connected to an external audio device through the 2.5mm stereo jack.

4. OPERATIONS FOR Bluetooth® AUDIO TRANSMITTER

Buttons Terminology

The Transmitter unit with Power/pairing button (with LEDs) and a reset switch.



[⏻] button

- Use the button to power on/off.
- During power on, use the button to perform *Bluetooth®* pairing.

[RESET] switch

- Use the switch to reset the unit.

USB mini-B port

- Charge the Transmitter with EXP03R through this port.

2.5mm audio jack input

- Connect to external audio player.

14-pin outlet socket

- Connect to iPod Cradle.

4. OPERATIONS FOR *Bluetooth*® AUDIO TRANSMITTER

Understanding The Transmitter Unit Indicators

| Event | LEDs | |
|-------------------------------------|--|--|
| | Red | Blue |
| During power on | Blink 3 times | Lights up for 1-2 seconds |
| During power off | Blink 3 times, Blink 1 more time after iPod is off | Blink dimly until iPod is switched off (~ 2 sec) |
| Powered (No activity) | Blink once every 5 sec | Blink dimly quickly |
| <i>Bluetooth</i> ® pairing mode | Blink alternately | |
| Receiver connected, Music streaming | - | Blink once every 5 sec Blink dimly quickly |
| Battery Low | Blink twice every 4 sec | - |
| Charging | On | - |
| Charging completed | - | On |

Notes:

- “**Blink**” refers to the LED is blinking brightly.
- “**Blink dimly**” refers to the LED is blinking not brightly.

Basic Operations

Please make sure you have read through the chapter “**Setting Up EXP03C and EXP03D**” on page D6 before proceeding to the following operations. For iPod/external audio player operations, please refer to your corresponding product owner’s manual.

Turning on/off the Transmitter power

1. Press the [⏻] button once to power on.
2. Press and hold the [⏻] button for 3 seconds or longer to power off.

Note:

- When the Transmitter is powered off, iPod will be turned off as well when used with iPod Cradle.

Automatic power off

Transmitter will be automatically powered off in the following situations:

- Three minutes of inactivity or without any connected device to conserve energy. iPod will be turned off as well if it is connected to the Cradle.
- Battery is very low or exhausted.

Note:

- If the Transmitter is automatically shut down due to battery exhaustion, all pairing information will be erased. Thus, it is recommended to recharge the Transmitter when battery is low.

Activating Bluetooth® Audio Transmitter pairing mode

1. Make sure the Transmitter is connected to an audio source. Please refer “**Setting Up EXP03C and EXP03D**” on page D6.
2. Set EXP03R in pairing mode. Please refer to *Bluetooth*® Audio Transceiver (EXP03R) owner’s manual for more details.
3. Press the [⏻] button once to power on.
4. Press the [⏻] button again to activate *Bluetooth*® pairing mode.
5. Music starts streaming automatically upon successful pairing.

4. OPERATIONS FOR *Bluetooth®* AUDIO TRANSMITTER

Notes:

- If no device is paired after 3 minutes, pairing mode will be cancelled and Transmitter unit will be shut down.
- You cannot pair the Transmitter with your mobile phone.
- During pairing mode, the Transmitter unit should show a quick alternate red/blue LED. Make sure that the Transmitter and Transceiver are not paired to any other Transceiver or Transmitter respectively.
- Please refer “**Understanding the Transmitter Unit Indicators**” on page D10 for further information.

Music Streaming playback

You can operate and control the iPod as normal. However, there is no volume control support from the analog output of 30-pin iPod connector interface. Changing the volume on the iPod through the wheel control will have no effect on the music streaming.

Resetting the Transmitter unit

This function is used to restore to factory default setting and clear all pairing information.

1. Press the **[RESET]** switch once to perform reset function. Device will be automatically powered off.

Notes:

- iPod will not be turned off in this case and iPod will not be reset.
- User needs to press the **[⏻]** button again to restart the device.

4. OPERATIONS FOR *Bluetooth*® AUDIO TRANSMITTER

Charging the Transmitter

The Transmitter can be charged by attaching it to the *Bluetooth*® Audio Transceiver (EXP03R). Please refer EXP03R owner's manual for more information. The charging time may require up to 2 hours for 8 hours of continuous music playing.

Note:

- Please charge the Transmitter for first time usage.

CAUTION

When charging the transmitter, please use with EXP03R only. Do not charge nearby fire or under burning sun. Failure to follow these instructions may present risk of explosion, fire, high temperature or injury.

EXP03C/EXP03D

Automatic Connection

When the Transmitter is switched on, it will automatically try to re-connect with the last paired device (Transceiver unit). It may take several seconds for the re-connection. If there is no connection detected after 3 minutes, Transmitter will be automatically powered off.

If the device (Transceiver unit) already has connection with another device, automatic connection will fail.

Notes:

- If the Transceiver is switched off and on, it may require 20-30 seconds for the Transmitter to detect disconnection before re-connection.
- Music streaming may be discontinued if the Transmitter and Transceiver are moved out of range of each other.
- The wireless range may be affected when the battery is weak. Please recharge the Transmitter for better experience.

5. COMPATIBLE DEVICE

Supported device with Bluetooth® wireless technology

Bluetooth® Audio Transmitter (EXP03D) is especially designed for and works best with Exposure *Bluetooth®* Audio Transceiver (EXP03R) and Cradle for iPod (EXP03C).

Supported iPod models

This Cradle (EXP03C) is especially designed for iPod Video and iPod nano 2nd generation.

Supported other external audio player

The audio player must be able to output audio to the 2.5mm audio jack input of this Transmitter unit.

6. TROUBLESHOOTING

| Problem | Cause | Description |
|---|-------------------|--|
| During power off, the LED blinks whenever the on/off button is pressed. | Power on illusion | It can be powered up after the button is pressed once. However, this sequence may fail sometimes. If it happens, release the button and retry again. |
| The device does not start up properly upon power up. | Power on failure | User may execute following steps to recover the situation. a) Press the [RESET] switch if the red LED is on. b) Try to switch on the Transmitter again. |

7. SPECIFICATIONS

EXP03C/EXP03D

| | |
|-----------------------------|---|
| Compliance | Bluetooth® 1.2 |
| Profiles | A2DP (stereo music streaming) |
| Wireless range | Class 2: Up to 7m (line of sight) |
| Tx/Rx radio sensitivity | -80dBm |
| Data rate | Forward: 723kbps Reverse: 57kbps |
| Antenna | 2.45 GHz chip type |
| Compression | SBC (sub-band coding) |
| Compression ratio | 4:1-6:1 typical |
| Bit rate | Programmable (<350kbps typical) |
| Stereo audio | 16kHz-48kHz, 16bit (for music) |
| Operating temperature | -20°C~60°C (Discharging) 0°C~45°C (Charge) |
| Storage temperature | -20°C~50°C (Within 30 days) |
| Dimensions | Approx. 35mm (Width) x 74mm (Height) x 10mm (Depth) |
| Weight | Approx. 26g |
| Audio bandwidth | 30Hz-20kHz |
| Signal-to-Noise Ratio | ~84dB |
| Analog in | Line level (1 Vrms) |
| Voltage | 3.7V |
| Max current | 60mA |
| Battery life (full running) | ~8hr on 3.7v 500mAh polymer lithium ion battery |
| Charging time | ~2hr on 3.7v 500mAh polymer lithium ion battery |
| Power source | 4.5-6.5V DC |

CAUTION

Please strictly follow temperature range as above. Product might not work correctly during extremely hot or cold condition. Product will work correctly after back to normal temperature.

8. PRECAUTIONS

Safe and efficient use

- Read this information before using this product.
- Changes or modifications to this product not expressly approved by **Exposure** may void the user's authority to operate the equipment.
- Please check for any exceptions, due to national requirements or limitations, in usage of equipment with *Bluetooth®* wireless technology before using this product.

Product care

- Do not expose your product to liquid or moisture or to humidity.
- Do not expose your product to extreme high or low temperatures.
- Do not expose your product to lit candles, cigarettes, or cigars, or to open flames etc.
- Do not drop, throw or try to bend the product as rough treatment could damage it.
- Do not use any other accessories than **Exposure** originals intended for use with this product. Use of non-original accessories may result in loss of performance, damage to the product, fire, electric shock or injury. The warranty does not cover product failures which have been caused by use of non-original accessories.
- Do not attempt to disassemble your product. The product does not contain consumer serviceable or replaceable components. Only **Exposure** service partners should perform service.
- Do not keep the product in an area prone to dust and dirt. Only use a soft damp cloth to clean your product.
- If you will not be using the product for a while, store it in a place that is dry, free from damp, dust and extreme temperatures.
- To reduce risk of electric shock, unplug the unit from any power source before attempting to clean it.

8. PRECAUTIONS

This Product uses the lithium ion battery

CAUTION

- Do not use or store this product near sources of heat such as a fire or heater.
- Do not use or store this product where is exposed to extremely hot, such as under direct sunlight in a hot day. Otherwise, this product may be overheated. This can also reduce product performance and/or shorten service life.
- Do not use any chargers other than those recommended by **Exposure**.
- Do not attempt to disassemble or modify this product in any way.
- Do not recharge this product near a fire or in extremely hot conditions.
- In case there are chemical leaking from product, please prevent any contact with skin or eyes. If contact happen, don't rub, wash with clean water and get medical treatment.
- Do not drive a nail, hammered and trample. It will cause leak on the lithium ion battery inside this product.
- Do not use this product in case there are any deformation of shape on the product. Please contact your **Exposure** local dealer.
- Do not put inside the heating machine (Ex. Microwave) or high pressure machine/washing machine.

Failure to follow above instructions will present risk of internal battery leaking, generation of heat, damage, fire, injury or soiled to surround.



CAUTION

If you want to dispose of this product, do not mix it with general household waste. There is a separate collection system for used electronic products in accordance with legislation that requires proper treatment, recovery and recycling.

9. EXPOSURE WARRANTY POLICY

1. The Exposure warranty entitles you to FREE repair of this unit for 1 year from the date of purchase.
2. The agent accepts no responsibility for defects arising from accident, misuse, abuse, wear and tear, neglect or through unauthorised adjustment and/or repair or replacement of any components, nor will they accept responsibility for damage or loss occurring during transit to or from the person making a claim under warranty.
3. The Exposure warranty covers:
 - Parts and labour costs for 1 year from the date of purchase (excluding battery: 6 months warranty for battery). Please retain your original receipt as proof of purchase and purchase date. The guarantee is extended only to the original purchaser and is not transferable.

When making claims under this warranty:

1. The equipment should be suitably packed and returned to the dealer from whom it was purchased, or directly to the local distributor, together with proof of purchase or a copy of the dated sales receipt.
2. If necessary the unit should be sent carriage pre-paid by a reputable carrier - NOT by post.
3. No responsibility is accepted for the unit whilst in transit to the dealer or agent, and customers are advised to insure the unit against loss or damage whilst in transit.
4. The dealer or the agent shall notify the customer when the repairs have been completed. The customer must claim the goods within fourteen days from the date of notice, failing which; the Company reserves the right to impose storage charges.
5. The Company reserves the right to dispose of the equipment after 90 days from the date of notice in a manner that it sees fit without compensation to the customer.

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