

# B-Speech<sup>®</sup> Tx2

**Benutzerhandbuch**  
**User Manual**  
**Manuel d'utilisation**  
**Modo de uso**



## **Federal Communications Commission (FCC) Statement**

**15.21** You are cautioned that changes or modifications not expressly approved by the part responsible for compliance could void the user's authority to operate the equipment.

**15.105(b)** 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.

**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.

**FCC RF Radiation Exposure Statement:**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. End users must follow the specific operating instructions for satisfying RF exposure compliance. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

**FCC Wireless Compliance**

The antenna used with this transmitter must not be colocated or operated in conjunction with any other antenna or transmitter subject to the conditions of the FCC Grant.

**Europe–EU Declaration of Conformity**

This device complies with the specifications EN 300 328, EN 301-489 and EN 60950-1 following the provisions of the R&TTE Directive.

## B-Speech® Stereo Transmitter TX2

# User guide

### Introduction

The B-Speech® TX2 offers the latest in Bluetooth technology.

The B-Speech® TX2 transmits music data from players which are not Bluetooth capable (e.g.: MP3 and CD player, stereo and other players) to a Bluetooth receiver such as the stereo headset B-Speech® Calypso or the speaker system B-Speech® Twiddle.

The B-Speech® TX2 can be used with any audio sources with a 3.5 mm audio output.

Normally the B-Speech® TX2 and a Bluetooth receiver establish a connection automatically, as if using "Plug and Play". After being turned on, the transmitter automatically scans, then pairs and connects to the receiver.

**Note:** Please read about pairing in the user guide of your Bluetooth receiver.

**Technical data:**

- Bluetooth V. 2.0, Class II, 10 meters
- Bluetooth stereo profile: A2DP
- Frequency: 2.4 GHz
- High Quality stereo IC
- Certified CE and FCC
- 3,5 mm stereo connector
- Sleep mode for energy saving
- Operation time: max. 5 hours
- Dimensions: L 48 x W 29,4 x H 12,5 mm

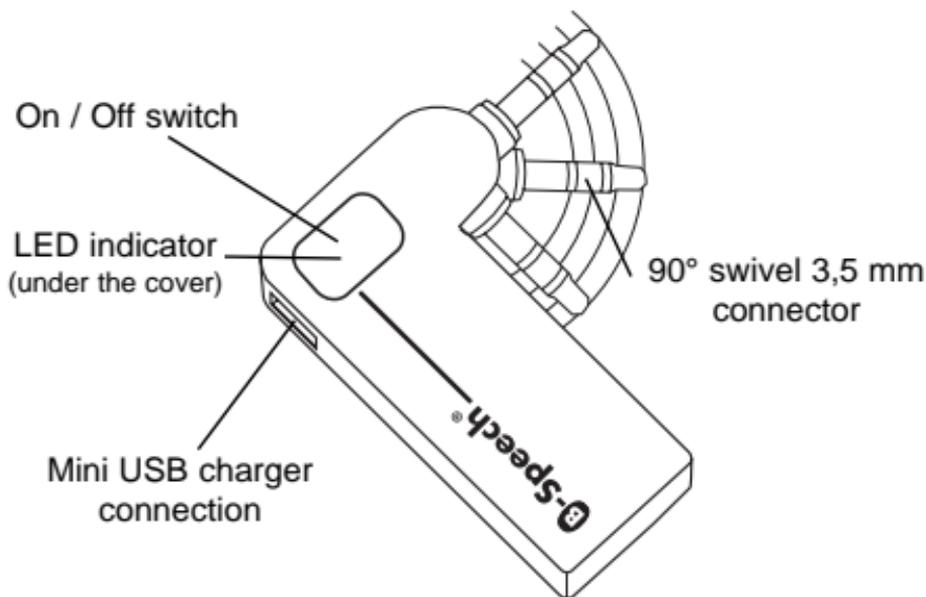
**Start**

The contents of the package consist of:

- B-Speech® stereo transmitter TX2
- Cable charger USB (portable charger optional)
- This user guide.

Please check that all the parts are present and intact. Contact your dealer as soon as possible if anything is missing or damaged.

## Get acquainted with the B-Speech® TX2



### Charging

1. Connect the USB plug on the other end of the cable charger to the USB input of your PC, laptop or optional power supply.
2. Connect the cable charger mini USB plug to the mini USB input of the B-Speech® TX2. The red LED lights up during charging.
3. When charging is done, the red LED goes off.

4. Remove the cable charger.

### **Pairing the B-Speech® TX2 with the receiver**

"Pairing" means making a wireless connection between the transmitter and the Bluetooth receiver.

Before being able to use B-Speech® TX2 with a receiver, you need to pair them.

After being turned on, the transmitter automatically scans, pairs and connects to the receiver.

Once pairing is established, both devices search for each other and connect automatically whenever they are switched on.

**Important note:** B-Speech® TX2 pairs only with receivers which have a factory PIN-Code equal to '0000', '1234' or '8888'.

After pairing, you can use B-Speech® TX2 with the Bluetooth receiver.

If you wish to use B-Speech® TX2 with another receiver, you need to pair them also.

In this case, B-Speech® TX2 will not re-connect with the previous device until you pair them again.

## The pairing process

1. Before pairing, please check that both devices are fully charged.
2. Check that both devices are within 3 meters of each other.
3. Turn the Bluetooth receiver on and make sure it is in pairing mode. (If in doubt, read your receiver user guide).
4. Turn the TX2 on by pressing the On / Off button. The red and blue LED flashes alternating for 6 seconds; the TX2 is in pairing mode.
5. Both devices should now find each other and pair. The red and blue LED on the TX2 flashes slowly at same time when the pairing is successful.

## Turning B-Speech® TX2 on / off

Normally, both devices only need turning on after the pairing; everything else is done automatically.

**Turning on:** The B-Speech® TX2 is turned on by pressing on the On / Off button. The blue LED lights up.

**Turning off:** Press the On / Off button for about 5 seconds; the blue LED goes off.

**Note:** Read the user guide of your Bluetooth receiver to find out how to turn it on / off.

## Playing music

1. Insert the connector of the turned on B-Speech® TX2 into the 3,5 mm socket of the source device.
2. Make sure the receiver is turned on and within 10 meters of the B-Speech® TX2.
3. The red and blue LED from the B-Speech® TX2 indicates that a Bluetooth connection exists by flashing slowly at same time.
4. If the connection disappears, the sound is disrupted or breaks down: Move the receiver nearer to the TX2. Put the receiver in search mode and it will connect again automatically. If the connection does not automatically follow, start the pairing process again.

### Please note:

1. If for any reason the B-Speech® TX2 does not play any music, it should be restarted. (See chapter about pairing.)
2. Normally, the connection between the transmitter and the receiver is established once the pairing process is done. The connection can break for the following reasons:
  - The distance between the devices is greater than 10 meters or an obstacle stands between the devices.
  - One or both of the devices have been turned off or must be recharged.

To start the search or pairing function again put the Bluetooth receiver in search mode or start the pairing process.

## Visual indicators

<b>State of the device</b>	<b>State of the LED</b>
Pairing or Establishing a connection	The red and blue LED flash alternatively
Connected and playing	The blue and red LED flash simultaneously at slowly speed
Sleep mode	The blue LED flashes once every 5 seconds

