

## Regulatory compliance of the remote transmitter

### Models: FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624

Products bearing the model numbers, FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 are henceforward referred to as final products.

The European regulation applicable to the FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 is the R&TTE Directive 1999/5/EC. The conformity assessment for the FBX521, FBX525, FBX530, FBX540 and FBX621 completed in accordance with the R&TTE Directive Annex II (RX) and III (TX) procedures.

Note: The FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 are intended to be used in all EU and EFTA countries. There may be restrictions on the use of voice and audio applications in the following countries; FI, FR, HU, IT, LU, LI, CH.

#### 1. Modulation

The devices FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 is designed to be used for the Non-Specific Short Range Devices defined in the ERC/REC 70-03 Annex 1.

The devices FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 continuously emits carrier signals when call button is pressed and power is supplied. Modulation type: GFSK. The user must design the final product to meet the requirements of the duty cycle as provided in the Regulatory parameters related to Annex 1 of the ERC/REC 70-03.

#### 2. Antenna

The FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 is supplied with a dedicated PCB antenna and the conformity assessment of the FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 was performed using the dedicated antenna (Circuit Design's standard [dipole antenna](#) 1/4 lambda lead antenna). If user changes the antenna or intend to use an antenna other than already existing as a part of the design, an antenna with equivalent characteristics and performance, further radio conformity assessment may be required.

#### 3. Supply voltage

The FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 should be used within the specified voltage range (11.8 to 12 V).

#### 3. Transmitter PA

The FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 devices, transmitted radio power is +3.8 to +4dbm and center frequency of (434MHz). Bandwidth = 125KHz.

#### 4. Enclosure

To fulfill the requirements of EMC and safety requirements, the FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 is mounted on the circuit boards of the final products and has plastic ABS enclosures. No surface of the internal circuits and antenna is exposed.

#### Conformity assessment of the final product

The manufacturer of the final product is responsible for the conformity assessment procedures of the final product in accordance with the R&TTE Directive.

As to the conformity assessment of the R&TTE Directive Article 3.2 (Efficient use of the radio spectrum), the manufacturer of the final product incorporating the R&TTE assessed FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 will be exempted from its conformity assessment procedures. For details of how to use the conformity assessment of the FBX521, FBX525, FBX530, FBX540 and FBX621, please consult the relevant authorities or accredited certification bodies.

#### Notification of the final product

The notification required by R&TTE Directive Article 6 (4) is not necessary if the final product is used in the harmonized frequency band and is classified as Class-1 equipment. If the final product is not used in the harmonized frequency band and is classified as Class-2 equipment, the manufacturer of the final product has a duty to notify the relevant radio regulatory authorities in the countries where the final product is sold.

\*NOTE: In case the FBX521, FBX525, FBX530, FBX540, FBX621, FBX622, FBX623, FBX624 380-434MHz is used with less than a 10% duty, notification of the final product will be required. A list of Class-1 equipment is available at <https://cept.org/>

#### Exemption clause

Circuit Design, Inc does not guarantee the accuracy of the above mentioned information about the conformity assessment and notification of the final product. Directives, technical standards, principles of operation and the like may be interpreted differently by the authorities in each country. Also the national laws and restrictions vary with the country. In case of doubt or uncertainty, we recommend that you check with the authorities or official certification organizations of the relevant countries.

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## Regulatory compliance of the remote receiver

**Models:** FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03

Products bearing the model numbers FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 are henceforward referred to as final products.

The European regulation applicable to FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 is the R&TTE Directive 1999/5/EC. The conformity assessment for the FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 completed in accordance with the R&TTE Directive Annex II (RX) and III (TX) procedures.

Note: FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 are intended to be used in all EU and EFTA countries.

There may be restrictions on the use of voice and audio applications in the following countries; FI, FR, HU, IT, LU, LI, CH.

### 1. Modulation

The devices FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 is designed to be used for the Non-Specific Short Range Devices defined in the ERC/REC 70-03 Annex 1.

The FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 continuously emits carrier signals when call button is pressed and power is supplied. Modulation type: GFSK. The user must design the final product to meet the requirements of the duty cycle as provided in the Regulatory parameters related to Annex 1 of the ERC/REC 70-03.

### 2. Antenna

The FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 is supplied with a dedicated PCB antenna and the conformity assessment of FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 was performed using the dedicated antenna (Circuit Design's standard [dipole antenna](#) 1/4 lambda lead antenna). If user changes the antenna or intend to use an antenna other than already existing as a part of the design, an antenna with equivalent characteristics and performance, further radio conformity assessment may be required.

### 3. Supply voltage

The FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 should be used within the specified voltage range (11.8 to 12 V).

### 3. Transmitter PA

The FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 devices, transmitted radio power is +3.8 to +4dbm and center frequency of (434MHz). Bandwidth = 125KHz.

### 4. Enclosure

To fulfill the requirements of EMC and safety requirements, the FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 is mounted on the circuit boards of the final products and has plastic ABS enclosures. No surface of the internal circuits and antenna is exposed.

### Conformity assessment of the final product

The manufacturer of the final product is responsible for the conformity assessment procedures of the final product in accordance with the R&TTE Directive.

As to the conformity assessment of the R&TTE Directive Article 3.2 (Efficient use of the radio spectrum), the manufacturer of the final product incorporating the R&TTE assessed

FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 will be exempted from its conformity assessment procedures. For details of how to use the conformity assessment of the FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03, please consult the relevant authorities or accredited certification bodies.

### Notification of the final product

The notification required by R&TTE Directive Article 6 (4) is not necessary if the final product is used in the harmonized frequency band and is classified as Class-1 equipment. If the final product is not used in the harmonized frequency band and is classified as Class-2 equipment, the manufacturer of the final product has a duty to notify the relevant radio regulatory authorities in the countries where the final product is sold.

\*NOTE: In case the FBXCSSL02A,FBXCSSL03A,FBXCSSL04A,FBXC SRPT01,FBXC SRPT02,FBXRM01,FBXDM01,FBXS01,FBXS02,FBXS03 380-434MHz is used with less than a 10% duty, notification of the final product will be required. A list of Class-1 equipment is available

at <https://cept.org/>

### Exemption clause

Circuit Design, Inc does not guarantee the accuracy of the above mentioned information about the conformity assessment and notification of the final product. Directives, technical standards, principles of operation and the like may be interpreted differently by the authorities in each country. Also the national laws and restrictions vary with the country. In case of doubt or uncertainty, we recommend that you check with the authorities or official certification organizations of the relevant countries.

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