



# Radio Frequency Systems

Provide essential audio guidance and information to your customers across a wide variety of environments with Contacta RF systems



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# Radio frequency systems provide clear sound for tour guidance, conferences, and meetings

Contacta RF assistive listening systems are ideal for when sound sources need to be wirelessly transmitted across large areas, sending signals through walls regardless of floor plans.

Transmitters are connected to an audio source such as a guidance recording or microphone and send signals to portable receivers. These systems can utilise 40 channels simultaneously and provide a range of up to 300 metres.

Receivers can also be equipped with Inductive Neck Loops to aid inclusivity and accessibility, enabling users to listen using a hearing instrument equipped with a Telecoil.



# Radio Frequency Transmitter RF-TXS

Our state-of-the-art 2.4GHz Radio Frequency Transmitter transfers crystal clear sound to our portable receivers (see pages 12 - 13), working on internationally compatible frequencies.

The system supports 40 selectable channel groups to allow for a wide array of applications such as multi-language interpretation, and provides a signal range of up to 300 metres.

Designed for free-standing installations, its compact and elegant housing means it can be placed anywhere; a rack mounted version is also available (see page 6). The transmitter is powered using its provided portable USB power supply.

# **Applications:**

Ideal for situations where listeners require clear sound, tour guidance or interpretation.

- Museums
- Historical Sites
- Meeting Rooms
- Conferences
- · Places of Worship

#### What's Included:

- Radio Frequency Transmitter
- USB Power Supply

### Accessories

- Portable Radio Frequency Transceiver (see page 11)
- Portable Radio Frequency Receiver (see page 12)

Transmitters

 Portable Radio Frequency Underchin Receiver (see page 13)

# **Technical Data:**

USB Power Supply	5V/DC - 1A	
Operation Frequency	2.4 GHz (ISM)	
Modulation	FSK, with hopping	
Range	300m outdoors 100m in buildings	
Channel	40 simultaneous groups	
Frequency Response	50Hz – 7kHz	
Transmitting Power	10mW	
Sensitivity	-95dBm	
Speech Coding	16bit/8KHz	
Delay	<35ms	
Frequency Width	2MHz	
Data Transmission Rate	2Mbps	
Connections Sockets	1x 6.3mm jack plug LINE IN 1x 3-PIN XLR AUDIO IN/OUT 1x 3.5mm jack plug headset IN 1x 4-PIN XLR headset IN	
Display	LCD display (group, channel, volume, mode, signal strength)	

# **Physical Data:**

Dimensions	Height – 37mm (1.45") Width – 230mm (9.05") Depth – 124mm (4.88")
Weight	555g (1.22lbs)
Finish	Black

Radio Frequency Transmitter	RF-TXS



# Radio Frequency Rack Transmitter

The Radio Frequency Rack Transmitter is a version of our standard 2.4GHz RF transmitter (see page 4) intended for rack mounting. It uses internationally compatible frequencies to transfer crystal clear sound to our portable receivers (see pages 12 - 13).

The system supports 40 selectable channel groups to allow for a wide array of applications such as multi-language interpretation, and has a signal range of up to 300 metres.

# **Applications:**

Ideal for situations where listeners require clear sound, tour guidance or interpretation.

- Museums
- Historical Sites
- Meeting Rooms
- Conferences
- · Places of Worship

# What's Included:

- · Radio Frequency Rack Transmitter
- Power Supply
- Rack Brackets

### Accessories

- Portable Radio Frequency Transceiver (see page 11)
- Portable Radio Frequency Receiver (see page 12)
- Portable Radio Frequency Underchin Receiver (see page 13)

# **Technical Data:**

Power Supply	5V/DC - 1A	
Operation Frequency	2.4GHz (ISM)	
Modulation	FSK, with hopping	
Range	300m outdoors 100m in buildings	
Channel	40 simultaneous groups	
Frequency Response	50Hz – 7kHz	
Transmitting Power	10mW	
Sensitivity	-95dBm	
Speech Coding	16bit/8KHz	
Delay	<35ms	
Frequency Width	2MHz	
Data Transmission Rate	2Mbps	
Connections Sockets	1x 6.3mm jack plug LINE IN 1x 3-PIN XLR AUDIO IN/OUT 1x 3.5mm jack plug headset IN 1x 4-PIN XLR headset IN	
Display	LCD display (group, channel, volume, mode, signal strength)	

# **Physical Data:**

Dimensions	Height – 45mm (1.77") Width – 220mm (8.66") Depth – 220mm (8.66")
Weight	2.3kg (5.07lbs)
Finish	Black

Radio Frequency Rack Transmitter	RF-TXRM



# Portable Radio Frequency Transmitter

Our lightweight Portable Radio Frequency Transmitter gives on-the-move transmission of clear speech to our to portable receivers (see pages 12 - 13) across 40 channels. It is provided with a belt-clip to allow users to unobtrusively wear the unit when needed, and uses a micro-USB power supply to make charging the unit simple and fast.

# Applications:

Ideal for situations where listeners require clear sound, tour guidance or interpretation.

- Museums
- Historical Sites
- Meeting Rooms
- Conferences
- · Places of Worship

### What's Included:

- · Portable Radio Frequency Transmitter
- Earworn Microphone (see page 17)
- · Belt Clip
- USB Charger Cable
- Lanyard

# **Physical Data:**

Dimensions	Height – 85mm (3.34") Width – 50mm (1.96") Depth – 15mm (0.59")
Weight	66g (0.14lbs)
Finish	Grey

### Accessories

- 2 Bay Charging Station (see page 14)
- 20 Bay Charger Case (see page 16)
- Microphone (see page 16)
- Earworn Microphone (see page 16)

### **Technical Data:**

Lithium-Ion rechargeable battery 3.7V / 1100mAh (inbuilt)
2.4GHz (ISM band)
FSK, with hopping
150m in open air / 80m in buildings
40 simultaneous groups
50Hz – 7kHz
10mW
-95dBm
2Mbps
2 x 3.5mm 4 contact-socket
Micro-USB charge port

Portable Radio Frequency Transmitter	RF-TX1
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# Radio Frequency Repeater

Our Radio Frequency Repeater extends the transmission range of RF systems. It is a wireless solution designed for locations where frequency range is restricted due to challenging conditions, providing a stronger signal for clear audio.

It is suitable for either wall mounting or freestanding installation.

# **Applications:**

Ideal for situations where listeners require clear sound, tour quidance or interpretation.

- Museums
- Historical Sites
- · Meeting Rooms
- Conferences
- · Places of Worship

# What's Included:

- Radio Frequency Repeater
- USB Power Supply

# **Technical Data:**

USB Power Supply	5V/DC - 1A
Operation Frequency	2.4 GHz (ISM)
Modulation	FSK, with hopping
Range	300m outdoors / 100m in buildings
Channel	40 simultaneous groups
Frequency Response	50Hz – 7kHz
Transmitting Power	10mW
Sensitivity	-95dBm
Speech Coding	16bit/8KHz
Delay	<35ms
Frequency Width	2MHz
Data Transmission Rate	2Mbps
Connections Sockets	1x 6.3mm jack plug LINE IN 1x 3-PIN XLR AUDIO IN/OUT 1x 3.5mm jack plug headset IN 1x 4-PIN XLR headset IN
Display	2x LCD display (group, channel, volume, mode, signal strength)

# Physical Data:

Dimensions	Height – 37mm (1.45") Width – 230mm (9.05") Depth – 124mm (4.88")	
Weight	555g (1.22lbs)	
Finish	Black	

Radio Frequency Repeater RF	-RP
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# Portable Radio Frequency Transceiver **RF-TRX**

Our two-directional Portable Radio Frequency Transceiver is a transmitter and receiver in one, allowing users to both speak and listen across 40 channels. It is splash-resistant and comes with a micro-USB power supply to make charging the unit simple and fast.

Up to 99 transceivers can be used per group, with one being defined the primary transmitter capable of both speech and listening. Two of the group's secondary transmitters can be set to also speak and listen.

# **Applications:**

Ideal for situations where listeners require clear sound, tour guidance or interpretation.

- Museums
- Historical Sites
- Meeting Rooms
- Conferences
- Places of Worship

### What's Included:

- Portable Radio Frequency Transceiver Headset (see page 17)
- Leather Carry Case with Belt Clip
- USB Charger Cable
- Lanyard

# **Physical Data:**

Dimensions	Height – 98mm (3.85") Width – 49mm (1.92") Depth – 17mm (0.66")
Weight	88g (0.19lbs)
Finish	Black

### Accessories

- Headset (see page 17)
- 10 Bay Charger Case (see page 15)

### **Technical Data:**

Power Supply	Lithium-Ion rechargeable battery 3.7V / 1100mAh (inbuilt)
Transmission Frequency	2.4GHz (ISM band)
Transmission Range	300m in open air / 100m in buildings
Channels	40 simultaneous groups
Frequency Response	50Hz – 7kHz
Transmission Power	10mW
Sensitivity	-95dBm
Data Rate	2 Mbps
Connectors	2 x 3.5mm 4 contact-socket
	Micro-USB charge port

Portable Radio Frequency Transceiver	RF-TRX



# Portable Radio Frequency Receiver

Our lightweight Portable Radio Frequency Receiver provides high-quality sound sent from our range of transmitters and transceivers (see pages 4 - 11). It has a transmission range of up to 300 metres in open air, and there is no limit to the number of receivers which can be used per group. The unit uses a micro-USB power supply for fast and simple charging in a variety of situations.

# **Applications:**

Ideal for situations where listeners require clear sound, tour guidance or interpretation.

- Museums
- Historical Sites
- · Meeting Rooms
- Conferences
- Places of Worship

#### What's Included:

- Portable Radio Frequency Receiver
- Earphones
- Belt Clip
- USB Charger Cable
- Lanyard

# **Physical Data:**

Dimensions	Height – 85mm (3.34") Width – 50mm (1.96") Depth – 15mm (0.59")
Weight	64g (0.14lbs)
Finish	Grey

### Accessories

- 2 Bay Charging Station (see page 14)
- 20 Bay Charger Case (see page 16)
- Inductive Neck Loop (see page 18)
- Underchin Headphones (see page 17)
- Headphones (see page 18)

### **Technical Data:**

Lithium-Ion rechargeable battery 3.7V / 1100mAh (inbuilt)	
2.4GHz (ISM band)	
FSK, with hopping	
300m in open air / 100m in buildings	
40 simultaneous groups	
50Hz – 7kHz	
10mW	
-95dBm	
2Mbps	
2 x 3.5mm audio output / Mico-USB	

Portable Radio Frequency Receiver	RF-RX1
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# Portable Radio Frequency Underchin Receiver

This lightweight under-the-chin receiver is compatible with our transmitters (see pages 4 - 8) to provide clear sound to users. The receiver is comfortable, has a transmission range of up to 200 metres in open air, and there is no limit to the number of receivers which can be used per group. The unit uses a rechargeable battery compatible with both our 5 and 10 Bay Charger Cases (see pages 14 - 15).

Volume is amplified, adjustable up to 120dB to assist users with hearing loss.

Spare rubber earbuds are available if required.

# **Applications:**

Ideal for situations where listeners require clear sound, tour guidance or interpretation.

- Museums
- Historical Sites
- · Meeting Rooms
- Conferences
- · Places of Worship

#### Accessories

- 5 Bay Charging Station (see page 14)
- 10 Bay Charger Case (see page 15)
- Rubber Earbuds (available on request)

# **Physical Data:**

Dimensions	Height – 227mm (8.93") Width – 112mm (4.40") Depth – 20mm (0.78")	
Weight	70g (0.15lbs)	
Finish	Black	

### What's Included:

- Portable Radio Frequency Earphone Receiver
- Rechargeable Battery

#### **Technical Data:**

Power Supply	Lithium-Ion rechargeable battery 3.7V / 1100mAh (inbuilt)
Transmission Frequency	2.4GHz (ISM band)
Modulation	FSK, with hopping
Transmission Range	200m in open air / 100m in buildings
Channels	40 simultaneous groups
Frequency Response	50Hz – 7kHz
Transmission Power	10mW
Sensitivity	-95dBm
Data Rate	2Mbps

Portable RF Underchin Receiver	RF-RXU

# 2 Bay Charging Station for RF Transmitter/Receiver RF-RX-CS2

This 2 Bay Charging Station is for use with our Portable Radio Frequency Transmitter (see page 8) and Portable Radio Frequency Receiver (see page 12) to hold 2 units in a standing position.



# **Physical Data:**

Dimensions	Height – 45mm (1.77") Width – 154mm (6.06") Depth – 66mm (2.59")	
Weight	140g (0.30lbs)	
Finish	Black	

# **Technical Data:**

RF Transmitter/Receiver

Power Supply 100-240V AC / 5V DC 0.2A		/ 5V DC 0.2A
Product Code:		
2 Bay Charging Station for		RE-RY-CS?

RF-RX-CS2

# 5 Bay Charging Station for RF Underchin Receiver RF-RXU-DC5

Our 5 Bay Charging Station is for use with Portable Radio Frequency Underchin Receiver (see page 13).

This unit can hold up to 5 receivers in a standing position. Two chargers can be daisy-chained together to charge 10 receivers using a single power supply.



# **Physical Data:**

Dimensions	Height – 38mm (1.49") Width – 160mm (6.29") Depth – 305mm (12.0")
Weight	540g (1.19lbs)
Finish	Black

# **Technical Data:**

	Power Supply	230V AC / 12	V DC 1A	
Product Code:				
	5 Bay RF Earpho Receiver Charging		RF-RXU-DC5	

# **10 Bay Charger Case for RF Underchin Receiver**

This 10 Bay Charger Case is for use with our Portable Radio Frequency Underchin Receiver (see page 13) and can hold up to 10 receivers in a standing position. The case is provided with a power supply.



# **Physical Data:**

Dimensions	Height – 393mm (15.5") Width – 635mm (25.0") Depth – 147mm (5.79")
Weight	3.5kg (7.71lbs)
Finish	Black

# **Technical Data:**

Power Supply	230V AC / 12V	/ DC 3A
Product Code:		
10 Bay RF Earphone Receiver Charging Case		RF-RXU-DC10

# **10 Bay Charger Case for RF Transceiver** RF-TRX-MCB

This 10 Bay Charger Case is for use with our Portable Radio Frequency Transceiver (see page 11) and can hold up to 10 transceivers in a standing position. The case is provided with a power supply.



# **Physical Data:**

Dimensions	Height – 300mm (11.8") Width – 540mm (21.2") Depth – 140mm (5.51")
Weight	3.7kg (8.15lbs)
Finish	Silver

### **Technical Data:**

Power Supply	230V AC / 12VDC 3A

10 Bay RF Transceiver Charging Case	RF-TRX-MCB

# **20 Bay Charger Case for RF Receiver/Transmitter**

This charger case is for use with our Portable RF Transmitter (see page 8) and Portable RF Receiver (see pages 12) and can hold up to 20 receivers in a standing position. The case is provided with a power supply.



# **Physical Data:**

Dimensions	Height – 300mm (11.8") Width – 540mm (21.2") Depth – 140mm (5.51")
Weight	3.8kg (8.3lbs)
Finish	Silver

# **Technical Data:**

Power Supply	230 VAC / 12VD	OC 3A
Product Code:		
20 Bay RF Transmitter/Receiver		

Charging Case

# Remote Antenna Kit

# **RF-TXRA**

Our Remote Antenna Kit is for use with the Radio Frequency Rack Transmitter (see page 6) when the latter is installed in a rack.

It enables the antenna from the rear of a transmitter to be fixed at the front of the unit in open air, extending the system's outgoing signal.



# **Physical Data:**

	Cable
Dimensions	Length – 2000mm (78.7")
	Diameter – 5mm (0.19")
	Mounting Bracket
	Width – 60mm (2.36")
	Height – 60mm (2.36") Depth – 20mm (0.78")
	Depti1 - 2011i11 (0.78 )
Weight	195g (0.18lbs)
Material	Mounting Bracket – Aluminium 2mm strength

Remote Antenna Kit	RF-TXRA

# Microphone for Portable RF Transmitter

RF-TX1-PM

Our microphone is for use with the Portable RF Transmitter (see page 8) and provides clear sound.



# **Physical Data:**

-		
Dimensions	Height – 44mm (1.73") Width – 18mm (0.70") Depth – 18mm (0.70")	
Weight	12g (0.02lbs)	

# **Technical Data:**

Power Supply	3V/DC phantom voltage
Transducer Type	Condenser capsule
Connector	3.5mm mono plug

# **Product Code:**

Microphone for Portable RF Transmitter	RF-TX1-PM
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# **Earworn Microphone for Portable RF Transmitter**RF-TX1-EM

The earworn microphone for our Portable RF Transmitter (see page 8) has a 1.2 metre cable and 3.5mm colour-coded jack. It enables handsfree communication with clear sound.



# **Physical Data:**

Dimensions	Height – 150mm (5.90") Width – 55mm (2.16") Depth – 35mm (1.37") Lead Length – 1.2m (4.72")
Weight	11g (0.02lbs)

### **Technical Data:**

Power Supply	3V/DC phantom voltage	
Transducer Type	Condenser capsule	
Connector	3.5mm mono plug - threaded	

Ear Mic for Portable RF Transmitter	RF-TX1-EM

# Headset for Portable RF Transceiver

# **RF-TRX1-HSM**

Our headset for use with the Portable RF Transceiver (see page 11) has a 1.2 metre cable and 3.5mm colour-coded jack.



# Physical Data:

Dimensions	Height – 120mm (4.72") Width – 155mm (6.10") Depth – 180mm (7.08") Lead Length – 1.2m (47.2")
Weight	66g (0.14lbs)

# **Technical Data:**

Power Supply	3V/DC phantom voltage
Transducer Type	Condenser capsule
Connector	3.5mm stereo jack

# **Product Code:**

Headset for Portable RF Transceiver RF-TR	X1-HSM
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# Headphones

# IR-HP1

Our black stereo headphones use a 2 metre lead and uses a standard 3.5mm audio jack.



# **Physical Data:**

Dimensions	Height – 175mm (6.80") Width – 150mm (5.90") Depth – 15mm (0.59") Lead Length – 2 metres (78.7")
Weight	48g (0.10lbs)
Finish	Black

# **Technical Data:**

Impedance	32Ω
Frequency Response	20-20000Hz
Sensitivity	104dB
Connection	3.5mm audio plug

Headphones	IR-HP1

# **Underchin Headphones**

# IR-HP2

Our under-the-chin headphones connects to the Portable Radio Frequency Receiver (see page 12) using a standard 3.5mm audio jack. It uses earpieces which fit comfortably into the ear.

Additional rubber ear-buds are available if required.



# **Physical Data:**

Dimensions	Height – 220mm (8.66") Width – 135mm (5.31") Depth – 20mm (0.78") Lead Length – 780mm (30.7")
Weight	22g (0.04lbs)
Finish	Black

# **Technical Data:**

Impedance	32Ω
Connection	3.5mm audio jack

# **Product Codes:**

Underchin Headphones	IR-HP2
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# **Inductive Neck Loop**

# IR-NL1

Our Inductive Neck Loop is a compact listening device which connects to our Portable Radio Frequency Receiver (see page 12) and enables users to listen using a hearing instrument equipped with a Telecoil.

It connects to receivers using a 3.5mm audio jack.



# **Physical Data:**

Dimensions	Height – 420mm (16.5") Width – 35.5mm (1.4") Depth – 10mm (0.39") Lead Length – 1m (39.3")
Weight	49g (0.10lbs)
Finish	Black

# **Technical Data:**

Impedance	16Ω
Channel	@1KHz / Isolated
Connection	3.5mm audio plug
Maximum Power Input	0.5 watts per channel

Infrared Neck Loop	IR-NL1



# Contact us now on:

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