





# 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 10 to 11), 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 9)
- Portable Radio Frequency Receiver (see page 10)
- Portable Radio Frequency Underchin Receiver (see page 11)

#### **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

#### **Product Code:**

Radio Frequency Transmitter





## Radio Frequency Rack Transmitter RF-TXRM

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 10 to 11).

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 9)
- Portable Radio Frequency Receiver (see page 10)
- Portable Radio Frequency Underchin Receiver (see page 11)

#### **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

#### **Product Code:**

Radio Frequency Rack Transmitter RF-TXRM





## Portable Radio Frequency Transmitter RF-TX1

Our lightweight Portable Radio Frequency Transmitter gives on-the-move transmission of clear speech to our to portable receivers (see pages 10 - 11) 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 15)
- 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 12)
- 20 Bay Charger Case (see page 14)
- Microphone (see page 14)
- Earworn Microphone (see page 14)

#### **Technical Data:**

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

#### Product Code:

Portable Radio Frequency Transmitter RF-TX1



## Radio Frequency Repeater

Our Radio Frequency Repeater provides up to 300 metres in signal distance between a radio frequency systems' transmitter and its portable receivers.

Designed for free-standing installations, the Repeater's compact and elegant housing means it can be placed anywhere. The device 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 Repeater
- USB Charger Cable

#### **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

#### Product Code:

Radio Frequency Repeater



## 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 15)
- 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 15)
- 10 Bay Charger Case (see page 13)

#### 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

#### Product Code:

Portable Radio Frequency Transceiver RF-TRX





## Portable Radio Frequency Receiver RF-RX1

Our lightweight Portable Radio Frequency Receiver provides high-quality sound sent from our range of transmitters and transceivers (see pages 4 - 9). 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 12)
- 20 Bay Charger Case (see page 14)
- Inductive Neck Loop (see page 16)
- Underchin Headphones (see page 17)
- Headphones (see page 17)

#### **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

#### Product Code:

Portable Radio Frequency Receiver RF-RX1



## Portable Radio Frequency Underchin Receiver RF-RXU

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 page 12).

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 12)
- 10 Bay Charger Case (see page 13)
- 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

#### Product Code:

Portable RF Underchin Receiver RF-RXU



This 2 Bay Charging Station is for use with our Portable Radio Frequency Transmitter (see page 8) and Portable Radio Frequency Receiver (see page 10) to hold 2 units in a standing position.

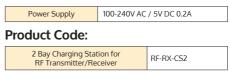


#### **Physical Data:**

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

#### **Technical Data:**



## **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 11).

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 Earphone Receiver Charging Case RF-RXU-DC5		

### **10 Bay Charger Case for RF Underchin Receiver** RF-RXU-DC10

This 10 Bay Charger Case is for use with our Portable Radio Frequency Receiver (see page 11) 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 / 12	V 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 Transceivers (see page 9) 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

#### **Product Codes:**

10 Bay RF Transceiver Charging Case RF-TRX-MCB





This charger case is for use with our Portable RF Transmitter (see page 8) and Portable RF Receiver (see pages 10) and can hold up to 20 receivers in a standing position. The case is provided with a power supply.



#### **Physical Data:**

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

#### **Technical Data:**



## 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.



#### **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

#### **Physical Data:**

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

## 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.



#### **Technical Data:**

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

#### Product Code:

Ear Mic for Portable RF Transmitter

nitter RF-TX1-EM

## Headset for Portable RF Transceiver RF-TRX1-HSM

Our headset for use with the Portable RF Transceiver (see page 9) has a 1.2 metre cable and 3.5mm colour-coded jack.

Height – 120mm (4.72") Width – 155mm (6.10")

Depth - 180mm (7.08")

66g (0.14lbs)

Lead Length - 1.2m (47.2")



#### **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-TRX1-HSM

#### Physical Data: Height – 150mm (5.90")

**Physical Data:** 

Dimensions

Weight

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

**Physical Data:** 

Dimensions

## Headphones

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



#### **Technical Data:**

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

#### Product Codes:

Headphones

IR-HP1

Underchin Headphones

Our under-the-chin headphones connects to the Portable Radio Frequency Receiver (see page 10) 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

# Lead Length – 2 metres (78.7") Weight 48g (0.10lbs) Finish Black

Height – 175mm (6.80") Width – 150mm (5.90")

Depth – 15mm (0.59")



### Inductive Neck Loop IR-NL1

Our Inductive Neck Loop is a compact listening device which connects to our Portable Radio Frequency Receiver (see page 10) 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

IR-NL1

#### Product Codes:

Infrared Neck Loop



### Contact us now on:

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