

CHIAYO

Portable PA & Wireless Microphone Systems



Portable Presentation Systems

With new technologies, new styling and a whole host of new features, Chiayo's latest generation of Portable Presentation Systems provide the ultimate solution in portable, wire-free sound reinforcement for presentation and music applications such as presentation, education & training, demonstrations and leisure.

Benefits:

- Highly portable systems
- All-in-one PA solutions
- Completely wire-free
- UHF Ch38
- Indoor and outdoor use
- Ideal in education, audio visual and demonstration applications

By incorporating amplifier, loudspeaker, wireless microphone receiver, rechargeable battery and CD (complete with USB MP3 player or BT Streamer) into one unit, each of the Chiayo Portable range can easily be transported and safely used in almost any environment - even outside and swimming pool areas - providing high quality voice and music reproduction for audiences ranging from 10 to 200 people!

The Systems utilise a choice of wireless handheld, headset or tie-clip microphones which feature patented 'Pilotone' switching systems, eliminating unwanted clicks and pops when switching the microphones on and off.

Furthermore, Chiayo portable sound products have inputs for additional wired microphones & music sources and outputs for further speakers, making the range even more flexible to suit your sound reinforcement needs.

Focus38

- UHF
- 30W
- Coverage up to 400m²
- New styling, new features and new extension loudspeaker options (passive or powered versions)



Challenger38

- UHF
- 120W
- Coverage up to 800m²
- Now with up to 4 microphone channels



New Technologies & New Features

- All systems are now 100 channels on frequency band CH38
- Transmitters are compatible with both Wireless & Portable Systems
- IRDA facility allows 2-way channel selection from TX→RX or RX→TX
- Focus systems are supplied with Bluetooth MP3 Player/Receiver
- Challenger systems are supplied with CD/MP3 Player
- Updated design allows modules to be easily added or changed, providing a flexible solution

Unity Wireless Microphone Systems

Chiayo's 'Unity' range of wireless microphone systems has now been upgraded with new styling and additional functionality.

Each Unity UHF microphone system is now Channel 38 compliant and features Chiayo's universal IRDA functionality - allowing wireless channel changing from either transmitter or receiver via infrared.



E.L.R. Long Range Wireless Microphone Systems

The new Chiayo 'ELR' System provides extra long-range wireless microphone transmission for wide area coverage in large scale applications such as supermarkets, conference centres, stadiums and outdoor events such as horse trials or county fayres.

Allowing up to 4 remote/receivers to be connected via standard Cat5/6/7 cable, the ELR system is capable of achieving transmission coverage of up to 90,000 m².



Venture Wireless Tour Guide System

The new Venture Tour Guide System from Chiayo provides a highly flexible and scalable wireless communication system for guided tours, language learning and interactive group activities.

The Venture System supports unlimited numbers of Tour Guide Receivers to be added to a single system, allowing for complete scalability dependent on audience numbers.

This professional Tour Guide System is also interactive, providing two-way communication to allow the audience to comment and ask questions, as well as offering additional audio line input on the Transmitter device for an injection of atmosphere for an excellent tour!



Cat5/6/7-connected Conference System

The new Chiayo Conference Microphone System offers a flexible, scalable system which is fast and easy to set-up and install.

Connected via standard Cat5e/6/7 ethernet cables, the system allows for a maximum of 60 desktop microphones (using GMC-60 Interface) to be connected on a system, with a choice of Chairman and Delegate microphone consoles.

The Chiayo Conference System is ideal for conferences, meeting room voice reinforcement and recording, council chambers and multiple delegate video conferencing systems.





Now with Bluetooth audio connectivity and integrated MP3 player

Focus505 Compact Portable Presentation System (UHF)

The new design **Focus 505** has to be one of the most compact, lightweight, full-function portable systems there is! This little unit features internal UHF microphone receiver, 30W amplifier, full-range loudspeaker, Bluetooth audio connectivity and USB MP3 player - all squeezed into a box no bigger than A4!

With output power and sound quality you'd expect from something much bigger, the **Focus 505** is capable of coverage up to 400m².

Main Features:

- Truly wireless! Battery operation eliminates all cables for true portability
- Choice of wireless microphone options (*Beltpack or Handheld*)
- Single UHF receiver supplied as standard with option to add a second receiver (*SDR5100M/38*)
- Bluetooth Streamer and MP3 Player Recorder
- Built-in 30W amplifier
- Built-in 6 1/2" Full-range speaker
- MIC IN / AUX IN with dedicated volume control
- AUX OUT to connect to PA system or input of AV system
- Loudspeaker Output for Focus extension speaker
- Charging / battery status indicators
- Tone control
- Tripod mountable (*ST-40*)
- Dual power supply AC or DC operation

Radio Frequency Features:

- For indoor & outdoor use
- UHF 100Ch Receiver/Ch38
- Diversity
- Componder circuit improves signal-to-noise ratio and reduces background noise
- Anti-interference pilotone circuit
- Built-in receiving antenna
- Clear LED display and controls

NEW:

- IRDA facility allows the system frequency to be changed via Infra Red TX↔RX = 2 way

Specifications:

* Frequency information on page 14

Model:	Focus38:	PA505R:	SP505:
Output Power	30W (RMS)	30W (RMS)	-
Frequency Range *	UK CH38 606-614MHz	-	-
Oscillation Type	Quartz locked fixed frequency	-	-
Frequency Stability	± 0.005%	± 0.005%	-
T.H.D.	< 0.5%	< 0.5%	-
Receiving Method	Non-Diversity	Non-Diversity	-
Frequency Response	50Hz~20KHz ±3dB	50Hz~20KHz ±3dB	50Hz~15KHz
Output Power (RMS)	30W @ 4Ω load	30W @ 4Ω load	30W @ 4Ω load
Speaker System	6 1/2" full range	6 1/2" full range	6 1/2" full range
Audio Inputs	MIC IN, AUX IN	AUX IN	Speaker IN
Audio Outputs	AUX OUT/EXT SPKR	-	-
Power Supply	100~240v AC/15v DC, 4.3A	100~240v AC/15v DC, 4.3A	-
Battery Recharge	3 ~ 4 hours	3 ~ 4 hours	-
Battery Life	Music: 2 hours / Voice: 3 ~ 4 hours	Music: 2 hours / Voice: 3 ~ 4 hours	-
Dimensions	313(H) x 213(W) x 215(D) mm	313(H) x 213(W) x 215(D) mm	313(H) x 213(W) x 215(D) mm
Weight	4.8kg	4.5kg	3.5kg

System Packages:



- **FocusBT38BT:**
Complete System featuring:
 - Focus 505
 - SM6100IRDA Wireless Beltpack Transmitter
 - MC-15X Tieclip Microphone
 - SB21 Cover



- **FocusBH38BT:**
Complete System featuring:
 - Focus 505
 - SM6100IRDA Wireless Beltpack Transmitter
 - MC-76X Headset Microphone
 - SB21 Cover



- **FocusH38BT:**
Complete System featuring:
 - Focus 505
 - SQ6100IRDA Handheld Wireless Microphone/Transmitter
 - SB21 Cover



- **Focus38:**
 - Focus 505 without Microphone (sold separately)



- **PA505R:**
 - Focus Active Extension Loudspeaker
 - Matching 30W Active Loudspeaker for use with Focus505
 - Mains/Battery powered



- **SP505:**
 - Focus Passive Extension Loudspeaker
 - Matching Passive Loudspeaker for use with Focus505



Options: For a full list of Focus505 options, separates and accessories, go to page 15

		
• SQ6100IRDA	• SM6100IRDA	• SDR5100M/38
		
• MC-76X	• MC-15X	• HC-92
		
• SB21		



Now with up to 4 microphone receiver channels!

Challenger1004 Wireless Portable Presentation System (UHF)

The new **Challenger 1004 UHF** is an all-in-one, multi-functional, multi-purpose wireless portable sound system designed for both indoor and outdoor use, capable of high quality coverage up to 800m².

Compact and lightweight, it features options for CD player with integrated USB MP3 player and will now allow for up to 4 UHF microphone receivers.

The Challenger also features easy to use controls and retractable handle to allow the unit to be easily transported.

Main Features:

- 120W internal amplifier and full-range loudspeaker
- Integral UHF wireless microphone receiver (100 Channel, SDR5100M/38, (plus option for an additional **three** receivers!)
- CD player complete with USB MP3 player & IR remote control
- Option to add MP3 Player/Recorder with Bluetooth Connectivity
- Wired microphone/auxiliary inputs, plus line level output
- Extension loudspeaker output (8Ω)
- Optional matching extension loudspeaker (C1000 Companion)
- Internal rechargeable battery or mains operation
- Retractable handle & integrated wheels
- Tripod mountable
- Protective cover (option)

NEW:

- IRDA facility allows the system frequency to be changed via Infra Red TX↔RX = 2 way

Now allowing up to 4 UHF Receivers:

The new Challenger 1004 Systems now allow for up to four UHF receivers (therefore allowing for up to 4 different microphone channels).

Combined with the new RP-5100M/38 Wireless Transmitter Module, the new portable models now allow for even greater coverage, channel flexibility and the true freedom of 'going wireless'!



RP-5100M/38 Wireless Transmitter:

Module for multiple unit wireless-linked systems. Where larger wire-free systems are required, the inclusion of the RP-5100M/38 Module will transmit from a Master Unit to multiple active slave units, providing the same signal output as well as remote volume control to all units on the system.

The RP-5100M/38 is compatible with all Challenger Systems.



Specifications:

* Frequency information on page 14

Model:	Challenger38:	Slave:	Companion:
Frequency Range (UHF / PLL) *	UK CH38 606-614MHz	-	-
Output (Speaker/Amp)	120W RMS	120W RMS	120W RMS
Battery Life (voice only)	6 ~ 8 hours	6 ~ 8 hours	-
Battery Life (constant CD player use)	5 ~ 6 hours	5 ~ 6 hours	-
Battery Recharge Time (approx)	8 ~ 10 hours	8 ~ 10 hours	-
Built-in Charger	Yes	Yes	No
Music Options	CD Player with integrated USB MP3	-	-
Power Requirement	230v AC / Internal Battery	230v AC / Internal Battery	-
Dimensions	350(W) x 500(H) x 300(D) mm	350(W) x 500(H) x 300(D) mm	350(W) x 500(H) x 300(D) mm
Weight	18.8kg	16.6kg	10.8kg

System Packages:



- **ChallengerBT38:**
Complete System featuring:
 - Challenger1004 (with CD)
 - SM6100IRDA Wireless Beltpack Transmitter
 - MC-15X Tieclip Microphone
 - DC40 Cover
- **ChallengerBT38BT:**
* With Bluetooth Connectivity



- **ChallengerBH38:**
Complete System featuring:
 - Challenger1004
 - SM6100IRDA Wireless Beltpack Transmitter
 - MC-76X Headset Microphone
 - DC40 Cover
- **ChallengerBH38BT:**
* With Bluetooth Connectivity



- **ChallengerH38:**
Complete System featuring:
 - Challenger1004
 - SQ6100IRDA Handheld Wireless Microphone/Transmitter
 - DC40 Cover
- **ChallengerH38BT:**
* With Bluetooth Connectivity



- **Challenger38:**
 - Challenger1004 without microphone (sold separately)



- **Challenger Slave:**
 - Challenger Active Companion Loudspeaker



- **C1000 Companion:**
 - Challenger Passive Companion Loudspeaker

*(Removal of the CD/MP3 replaced with Bluetooth MP3 player/recorder (DPRB600MB))



Options: For a full list of Challenger1004 options, separates and accessories, go to page 15





Unity38 Wireless Microphone Systems: True Diversity 100 Channels (UHF)

The new **Unity Series** of UHF 100 Channel Wireless Systems utilise the highest quality technology and components for true high performance, multichannel wireless sound.

These high specification UHF systems offer 100 channel selection for greater control and resistance to interference.

Supplied as ready-to-use, complete systems and housed in strong, lightweight ABS cases for safe storage and transportation.

NEW:

- IRDA facility allows the system frequency to be changed via Infra Red TX↔RX = 2 way

Main Features:

- 100 factory preset user-selectable UHF frequencies
- Patented IRDA technology for 2-way sync between transmitter and receiver
- Advanced microprocessor control, with improved signal performance for interference-free, multi-channel operation
- AUTO SCAN function searches for the cleanest frequency
- Up to 8 non-interfering channels can be operated simultaneously within a selected 25MHz bandwidth
- True Diversity reception for highest quality reception with no drop-outs
- Battery signal indicator on receiver display
- True diversity (SDR6200IRDA) design for high sensitivity, high selectivity and high image/spurious rejections
- Liquid Crystal Display (LCD) on both receiver and transmitter
- Receiver Antennas can be either rear or front mounted
- High sensitivity, high selectivity and high image/spurious rejections
- Anti-interference Pilotone control and RF Noise Squelch circuitries
- Balanced and unbalanced audio outputs
- Rack mountable with an industry standard 19" rack mount kit (optional)
- UP, DOWN, MENU, SET function buttons
- RF & AF LED Indicators
- Balanced (XLR)*1/unbalanced (ø6.3mm)* 1 audio outputs
- RF/AF signal strength, Diversity A/B indicators

Specifications:

* Frequency information on page 14

Model:	SDR6200IRDA
Frequency Range *	UHF
Switching Bandwidth	25MHz
Switchable Frequencies	100
Display Screen	LCD
Oscillation Type	PLL Synthesized
Receiving Method	True Diversity / Diversity
Sensitivity	-95dBm
2-Way Synchronization	Yes
S/N Ratio	>110dB
T.H.D.	<0.5%
Antenna Socket	TNC type
Audio Outputs	Unbalanced: +4dBm (1.25v) / 5KΩ
Power Supply	100 ~ 240v AC, 12v DC/2.0A
Material	Half-rack mount, Metal
Dimensions	44(H) x 200(W) x 150(D) mm
Weight	0.63kg



System Packages:



- **Unity System 38H:**
Complete System featuring:
 - SQ6100IRDA Handheld Microphone/Transmitter
 - 100Ch UHF Receiver
 - Carry case



- **Unity System 38BT:**
Complete System featuring:
 - SM6100IRDA UHF Beltpack Transmitter
 - MC-15X Tieclip Microphone
 - 100Ch UHF Receiver
 - Carry case



- **Unity System 38BH:**
Complete System featuring:
 - SM6100IRDA UHF 100 Channel Beltpack
 - MC-76X Headset Microphone
 - 100Ch UHF Receiver
 - Carry case



- **SDR6200IRDA:**
 - True Diversity Wireless Receiver

Full range of tieclip, headworn and neckworn mic options



Options: For a full list of Unity options, separates and accessories, go to page 15



• SQ6100IRDA



• MC-76X



• SM6100IRDA



• MC-15X



• MP 90S



• MP 92S



• HC-92





E.L.R. Long-range Wireless Microphone System (UHF)

The **E.L.R. (Extra Long Range)** microphone system from Chiayo provides a simple, quick and easy solution for operating wireless microphones in challenging locations, such as Large Retail Spaces, Stadiums, Churches and Outdoor Events where conventional systems would struggle.

Comprising of a Master Receiver (RCC2000) and up to 4x Remote Receivers (RR2000), the receiver units link together using standard CAT5/6/7 cables, allowing the Remote Receivers to be located within optimum pick up locations.

Each system can operate on two channels, each Remote Receiver can accept 2x Modules (RR2000M) which operate on UK CH38 Licensed Frequencies, allowing two independent Microphone Transmitters to be utilised across the system, which can be either Handheld (SQ6100IRDA) or Beltpack (SM6100IRDA) depending on the specific applications and needs of the system.

The distance of CAT5/6/7 cable between Master and Remote can be up to 250 metres, no power is required for the Remote Receivers as the power is provided via the Master Receiver which is transferred down the Ethernet cable connection.

The Audio received by the Remote Receivers is returned to the Master Receiver via the Cat5/6/7 connection, which provides two independent outputs for the two separate wireless channels to interface to an Audio Amplifier, Mixer or Sound System.

For applications where Remote Receivers are to be used outdoors, a special protective housing is available (PRR2000) to protect the units from the elements.

Main Features:

- Dual Channel, long-range Distributed Receiver System
- Area coverage up to 90,000m²
- Up to 4 Remote Receivers controlled and powered from single Master Receiver
- Receiver connection via standard Cat5/6/7 cable
- Handheld and Beltpack UHF Transmitter options
- All Receivers powered from a single 24v DC power supply
- Ideal for large scale live and outdoor events

Specifications:

Model:	RCC2000:	RR2000:
Frequency Range	-	UHF
Channels	-	2
Switchable Frequencies	-	100 or 16
Display	LCD	7-seg LED
Receiving Method	-	True Diversity
Antenna Divider Range	-	600 ~ 900MHz
Frequency Stability	-	±0.005%
Sensitivity	-	-100dBm
Image Rejection	-	>80dB
S/N Ratio	-	>110dB
Peak Deviation	-	±40KHz
T.H.D.	-	<0.5%
Squelch	-	RF/Noise/Pilotone Squelch
Audio Outputs	Balanced x2, Unbalanced x2	RJ45 x 1
Power Supply	100~240v AC / 24v DC, 2.5A	100~240v AC / 24v DC, 2.5A
Chassis	½ ~ 19" rack cabinet (metal)	½ ~ 19" rack cabinet (metal)
Dimensions	44(H) x 220(W) x 200(D) mm	44(H) x 220(W) x 200(D) mm
Weight	0.997kg	1.29kg

Options:

For a full list of ELR options, separates and accessories, go to page 15



• RR2000M



• SQ6100IRDA



• SM6100IRDA



• MC-76X



• MC-15X



• MC520X



• PRR2000

System Components:



- **RCC2000:**
- Master Receiver



- **RR2000:**
- Remote Receiver
(Up to a maximum of 4 Receivers per system)



- **RR2000M:**
- 2 x Receiver Modules
(shown here in RR2000)



- **SQ6100IRDA:**
- Handheld Microphone

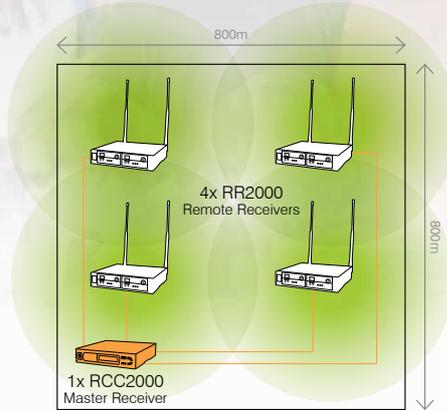


- **SM6100IRDA:**
- Beltpack Transmitter

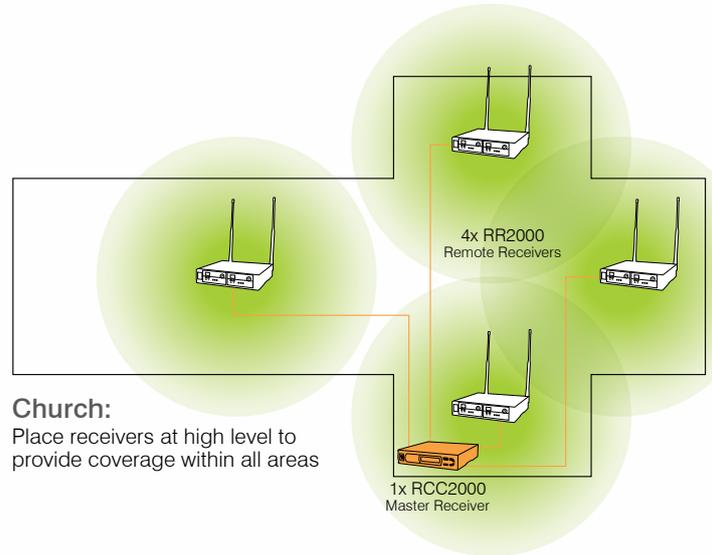


- **HC-92:**
- Transmitter Charger

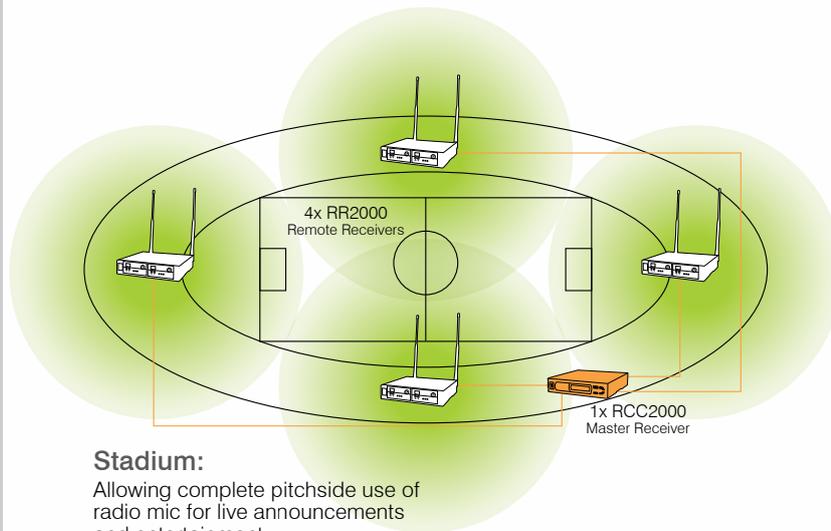
System Examples:



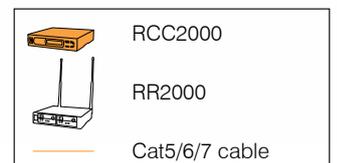
Retail Spaces:
Coverage within a large supermarket/retail shop floor allowing wireless coverage across the site



Church:
Place receivers at high level to provide coverage within all areas



Stadium:
Allowing complete pitchside use of radio mic for live announcements and entertainment





Venture 2.4GHz Wireless Tour Guide System

The new **Chiayo Venture Tour Guide System** provides a feature-packed, high performance two-way communication system for guided tours, language learning and interactive group activities.

This stylish, flexible professional Tour Guide System runs on the 2.4GHz digital frequency and, therefore, provides licence-free wireless communication.

Fully-scalable, the Venture System has no limit to the number of Receivers which can be used on a single system, allowing large scale systems and the ability to 'start small and add later' if audience numbers increase.

Simple to use, this is a two-way wireless communication system, supporting 'talk-back' from the audience Receiver devices as well as from the Tour Guide main Transmitter Unit - ideal for interactive Q&A and 'listen and repeat' activities in language learning, for example.

The DCT511 Transmitter device features a 'multi-play' facility - simultaneously broadcasting voice and line level signals (for instance from an MP3 player or smart phone) to allow for the addition of background music sound effects or pre-recorded speech, for example, to inject real atmosphere into tours and lessons!

Main Features:

- Ideal for guided tours, language learning and interactive activities
- Feature-packed Wireless Tour Guide System
- Compact, lightweight & stylish Receivers/Transmitters
- Unlimited number of Receivers can be added to the system
- Lithium batteries provide up to 16 hours of operation of Receivers (10 hours for Transmitter)
- Multi-play facility allows simultaneous broadcast of voice and line level signal
- Receiver features 'TalkBack' facility (ask questions/interact with Guide/Presenter)
- Operation range up to 50 metres
- Out-of-range tone broadcast to Transmitters
- Stereo transmission
- Volume and Mute Control
- 20 unit Charging Base available

System Components:



- **DCT511:**
- Beltpack Transmitter to be used with the EHP90 Noise-cancelling Stereo Ear Buds and Microphone



- **DCR511:**
- Beltpack Receiver to be used with the EC18 Single Earset Microphone



- **EHP90:**
- Noise-cancelling Stereo Ear Buds and Microphone (used with the DCT511)



- **EC18:**
- Single Earset (used with the DCR511)



- **HC520:**
- 20 device Charger for the DCR511/DCT511

'Talk-Back' facility allows audience to speak to Tour Guide or Presenter





GM143 Cat5 Conference System

Though there are many conference microphone systems in today's market, many of them come with a hefty price tag. In practice, not every function of a high-end conference system is required which, in the end, leaves a lot of unused product at a cost to the buyer.

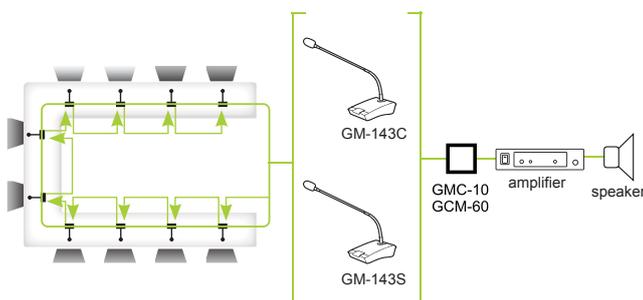
In order to lower the budgetary burden on anyone searching for a conference system, Chiayo has released a series of wired gooseneck conference microphones, the **GM143 Series**.

The most unique feature of the GM143 Series is its simple connection structure where any microphone unit can be daisy-chained together. Up to 60 units can be connected as part of a single system.

In addition, the system uses standard Cat5e/6/7 cables for audio connection. One power supply and audio converter will power all units installed on the system. Every system has a chairman unit GM143C to dominate other units' speech via a "MUTE" button. It can also work with Chiayo's other products to perform a wireless link to the speaker.

Main Features:

- Capacity for up to 60-unit conference microphones, suitable for medium/small company, office, corporate and school conference rooms
- Easily identifiable TALK indicator LED on both the gooseneck microphone and the base
- Simple to install and set-up using standard Cat5e/6/7 patch lead cables
- Scalable systems can be easily expanded
- Power can be inserted anywhere within the system
- Chairman Console provides voice priority control over Delegate Units
- Individual microphone gain control per console
- Red LED on microphone gooseneck and push button on microphone base
- Audio output to feed into house PA/Amplifier System
- Energy-saving function, system shuts down if not used for 5 minutes (unless chairman has priority selected)
- Applications: Conference rooms, meeting voice reinforcement, Video Conference/Skype



System Components:



- **GM143C:**
- Chairman Gooseneck Microphone Console



- **GM143S:**
- Delegate Gooseneck Microphone Console



- **GMC-10:**
- Audio Interface (supports up to 20x GM143 consoles)

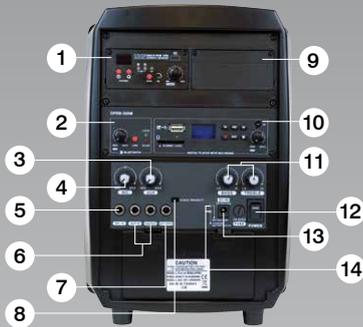


- **GCM-60:**
- Audio Interface (supports up to 60x GM143 consoles)

Specifications:

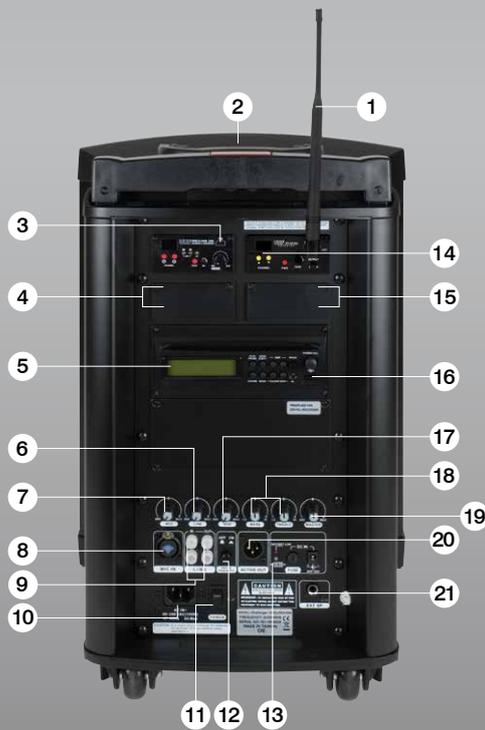
Model:	GM143C:	GM143S:
Cartridge	Uni-directional condenser type	Uni-directional condenser type
Impedance	680Ω	680Ω
Sensitivity	-50dB±3dB	-50dB±3dB
Distortion	<0.5%	<0.5%
S/N Ratio	≥60dB	≥60dB
Frequency Response	80Hz~16kHz	80Hz~16kHz
Max Input SP	100dB for 1% T.H.D	100dB for 1% T.H.D
Display	LED	LED
Sound Control	Yes	Yes
Chairman Priority (MUTE)	Yes	No
Speech (TALK)	Yes	Yes
Gain Control(GAIN)	Yes	Yes
Input/Output Jack	2	2
Working Voltage	15v, 4.3A	15v, 4.3A
Dimensions	479(H) x 110(W) x 162(D)	479(H) x 110(W) x 162(D)
Weight	0.53kg	0.53kg

Portable PA System Controls on Rear Panels:



Focus505

- 1 UHF Receiver SDR5100M/38
- 2 Bluetooth Control
- 3 Line Level Control
- 4 Wired Microphone Level Control
- 5 Wired Microphone Input
- 6 Line Input/Output
- 7 External/Extension Loudspeaker Output
- 8 Voice Priority On/Off
- 9 Optional Receiver Module Slot
- 10 USB MP3 Player Input
- 11 Tone Control
- 12 Power On/Off
- 13 DC Power Supply Input
- 14 Charging Indicator



Challenger1004

- 1 RP5100M/38 Antenna
- 2 Retractable Handle
- 3 UHF Receiver Module SDR511M/38
- 4 Additional Receiver Module Slot
- 5 CD Player
- 6 Line Level Control
- 7 Wired Microphone 1 Level Control
- 8 Wired Microphone Input 1
- 9 Line Inputs/Outputs
- 10 Mains Power Input
- 11 Power On/Off
- 12 Voice Priority On/Off
- 13 Charging Indicator
- 14 Optional RP5100M/38 Wireless Transmitter Module (Module slot can alternatively be used for a 4th Receiver Module)
- 15 Optional Receiver Module Slot
- 16 USB MP3 Player Input
- 17 CD/MP3 Level Control
- 18 Tone Control
- 19 Master Volume Control
- 20 Active Bus Input/Output
- 21 External/Extension Loudspeaker Output

CH38 Frequency List:

6UKS606B (606-614MHz)																				
1	606.150	(1)	14	606.450	27	607.575	40	608.625	53	609.675	66	610.650	(8)	79	611.700	92	612.675			
2	606.675		15	606.525	28	607.650	(3)	41	608.700	54	609.750	(7)	67	610.725	80	611.775	(11)	93	612.825	
3	607.275		16	606.600	29	607.725		42	608.775	55	609.825		68	610.800	81	611.850		94	612.900	
4	608.025		17	606.750	30	607.800		43	608.925	56	609.900		69	610.875	82	611.925		95	612.975	(14)
5	608.850		18	606.825	31	607.875		44	609.000	57	609.975		70	610.950	(9)	83	612.000		96	613.050
6	611.475		19	606.900	32	607.950		45	609.075	58	610.050		71	611.025	84	612.075		97	613.125	
7	612.750		20	606.975	(2)	33	608.100	(4)	46	609.150	59	610.125		72	611.100	85	612.150		98	613.200
8	613.200		21	607.050	34	608.175		47	609.225	(6)	60	610.200		73	611.175	86	612.225	(12)	99	613.275
9	606.000		22	607.125	35	608.250		48	609.300	61	610.275		74	611.250	87	612.300		100	613.350	(15)
10	606.075		23	607.200	36	608.325		49	609.375	62	610.350		75	611.325	88	612.375				
11	606.225		24	607.350	37	608.400		50	609.450	63	610.425		76	611.400	(10)	89	612.450			
12	606.300		25	607.425	38	608.475	(5)	51	609.525	64	610.500		77	611.550	90	612.525	(13)			
13	606.375		26	607.500	39	608.550		52	609.600	65	610.575		78	611.625	91	612.600				

- = Frequencies can be operated together (N.B. Transmitter must be minimum of 3 metres from Receiver location)
- = Frequencies which can operate with Legacy 16Ch systems on frequency Ref 6UK606

To operate equipment within the UK it is required that a licence to broadcast is obtained by the end user. This can be purchased via the following web link www.pmse.co.uk where licenses can be purchased for 1 year/12 months or 2 years/24 months *(£85/£155 respectively)

* prices correct as of December 2015 - subject to change

Chiayo Product Accessories:

The Chiayo range of Portable PA and Wireless Microphone Systems are available with a whole host of options, accessories and 'separates' to enhance or expand your system, including:

Focus:



SP505:
Passive Extension Loudspeaker



PA505R:
Active Extension Loudspeaker



ST40:
Tripod Stand



SB21:
Canvas Cover

Challenger:



C1000 Companion:
Challenger Passive Companion Loudspeaker



Challenger Slave:
Challenger Active Speaker



ST50:
Tripod Stand



DC40:
Challenger Canvas Cover

Unity:



AD-85:
UHF Antenna Divider



RA-80:
UHF Remote Antenna



MP90S:
Single Receiver Rackmount Kit



MP 92S:
Dual Receiver Rackmount Kit

E.L.R.:



RR2000M:
RR2000 module x 2



PRR2000:
Outdoor Housing

Focus & Challenger Modules:



SDR5100M/38:
Receiver/Module



RP5100M/38:
Repeater Module



DPRB500M:
(Focus) MP3 Player & Bluetooth Module



DPRB600M:
(Challenger) MP3 Player & Bluetooth Module

Microphone Options for use with all Chiayo UHF Systems (must be used with Beltpack Transmitter):



MC-76X:
Slimline Headset Microphone



MC-75X:
High Performance Neck Microphone



MC-15X:
Tieclip Microphone (Cardioid)

Focus, Challenger, Unity & E.L.R. Transmitters:



SQ6100IRDA:
Handheld



SM6100IRDA:
Beltpack



HC-92:
Transmitter Charger

Portable PA & Wireless Microphone Systems

Focus505

- Extremely compact - same size as an A4 piece of paper!
- Very lightweight but high power output
- USB MP3 Bluetooth player
- 30W internal amplifier & full range speaker
- Coverage up to 400m²

Challenger1004

- Compact, portable, all-in-one unit
- Highly efficient power output
- CD & USB MP3 player
- 120W internal amplifier & full range speaker
- Coverage up to 800m²
- Now with option for up to 4 channels!

GM143

- Cat5/6/7 connected Conference System
- Scalable up to 60 Microphone Points
- Fast and simple set-up
- Easily integrates with other audio systems

E.L.R.

- Long-range wireless Microphone System
- Area coverage up to 90,000m²
- Remote Receiver connection via Cat5/6/7
- Handheld & Beltpack Transmitter options

Venture

- 2.4GHz Wireless Tour Guide System
- Ideal for guided tours and language learning
- Unlimited number of Receivers can be added to system
- Simultaneous broadcasting of live voice & pre-recorded audio

Unity38

- 100 Channel UHF Wireless Microphone Systems
- True Diversity for highest quality reception
- Handheld and Beltpack Transmitter options

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