CHIRYOWireless Microphone & Portable PA Systems

• Latest generation new products

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- UHF, VHF & Infrared
- Wireless Portable Presentation Systems

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• Wireless Microphone Packages

All-in-one solutions

Also featuring...

WIRELESS MICROPHONE SYSTEMS

• High quality, wire-free sound

Ideal for: Education, Training, Retail, Demonstrations, Leisure & Poolside and all portable voice reinforcement applications

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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 retail, education & training, demonstrations and leisure.

By incorporating amplifier, loudspeaker, wireless microphone receiver, rechargeable battery and CD (complete with USB2 MP3 player) 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.

Benefits:

- Highly portable
- All-in-one PA solutions
- Completely wire-free
- UHF, VHF and infrared options
- Indoor and outdoor use*
- Ideal in education, audio visual and demonstration applications
- * Infrared models only suitable for indoor use



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CoaCh40 Wireless Portable PA System (Wired Mic or UHF)

The new Coach 400 is an ideal 'personal' portable PA system, designed to be worn over the shoulder for walking tour guides, demonstrations and coaching or mounted on the Chiayo ST-30 tripod for use in classrooms, lecture theatres, trade fairs, etc.

Supplied as standard with handheld wired microphone, the Coach 400 can also be supplied with the SQ5016AT UHF handheld wireless microphone, or SM5016 beltpack & headset/tieclip microphone options.

This stylish, compact and lightweight little unit features an in-built 25W class D amplifier, 4" full-range loudspeaker, rechargeable battery and USB 2.0 MP3 player. Other features as standard include 2 alarm sounders for emergency broadcasting, Aux inputs & outputs and detachable shoulder strap for ease of carrying.

Features:

- High efficiency output power with built-in 25W class D power amplifier
- Truly wireless! Battery operation eliminates all cables so you can take it anywhere!
- 4" full range speaker system
- USB 2.0 MP3 player with LCD display
- 16 Channel UHF microphone receiver
- 2 alarm sounds for emergency broadcasting
- Lithium battery offers extended operation time and minimises weight and size
- 3.5mm stereo Aux In/Out connectors
- Can be worn over the shoulder or mounted on ST-30 tripod stand
- Suitable for indoor and outdoor applications



Options: For a full list of Coach 400 options, separates and accessories, go to page 13

Model:	Coach 400
Output Power	25W (RMS)
Speaker System	4" full range
THD	<0.5%
Audio Inputs	Mic In / Aux In / USB2.0
Audio Outputs	Aux Out
Power Supply	230v 1.5A, 20v DC 2.5A
Battery Type	14.8v / 2.4AH (Lithium)
Operating Life	Music: 5 \sim 6 hours, Voice: 10 \sim 12 hours
Charging Time	4 hours (approx.)
Frequency Response	50 Hz ~ 20 KHz ± 3 dB
Dimensions	156(W) x 156(H) x 205(D) mm
Weight	1.6kg





Focus 505



New styling and extension speaker options

Focus 505 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, built-in 30W amplifier, full-range loudspeaker, CD with pitch control 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)
- · Choice of single or dual channel microphone receivers
- CD player with pitch control, plus complete USB MP3 player & IR remote control
- Built-in 30W amplifier
- Built-in 61/2" 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 16 CH Receiver
- Non-diversity receiving
- Compander circuit improves signal-to-noise ratio and reduces background noise
- Anti-interference pilotone circuit
- Built-in receiving antenna

System Packages:

- Focus System 16H: Focus 505, 16 channel UHF with CD, USB MP3 and IR remote with UHF handheld microphone transmitter & canvas carry case
- Focus System 16BH: Focus 505, 16 channel UHF with CD, USB MP3 and IR remote with UHF beltpack transmitter, headset microphone & canvas carry case
- Focus System 16BT: Focus 505, 16 channel UHF with CD, USB MP3 and IR remote with UHF beltpack transmitter, tieclip microphone & canvas carry case

Model:	Focus 505
Output Power	30W (RMS)
Frequency Range	CH 1~12 845.900 ~ 861.550 Licence Required CH 13~16 863.100, 863.900, 864.500, 864.900 Deregulated. No Licence required
Oscillation Type	Quartz locked fixed frequency
Frequency Stability	± 0.005%
Receiving Method	Non-Diversity
Frequency Response	50Hz~15KHz
Speaker System	6½"
Audio Inputs	MIC IN, AUX IN
Audio Outputs	AUX OUT
Power Supply	230v AC / Internal Battery
Battery Recharge	3 ~ 4 hours
Battery Life	Music: 5 \sim 6 hours / Voice: 10 \sim 12 hours
Dimensions	313(H) x 213(W) x 215(D) mm
Weight	5.5kg



Focus 500 IR

Focus 500 IR Compact Portable Presentation System (Infrared)

The new **Focus 500IR** is an infrared version of our highly popular Focus range (shown opposite). With all the same features as our UHF versions (built-in amplifier & loudspeaker, CD player, USB MP3 player, 230v AC/internal battery operation, etc), the **Focus500IR** features an infrared microphone receiver/transmitter which allows for any number of adjacent, multi-room systems without the limitations of number of channels.

As the infrared microphone signal is light-based, the simple separation of walls and doors will allow any number of adjacent systems - such as a number of classrooms - without signal interference.

Main Features:

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- Truly wireless! Battery operation and IR signal eliminates all cables for true portability
- Infrared wireless microphone signal for multi-room systems
- Supplied as standard with IR handheld microphone
- CD player with integrated USB MP3 player and IR remote control
- Built-in 30W amplifier
- Built-in 61/2" speaker
- Dual power supply AC or DC operation

System Package:

• Focus System IRH: Focus 500 Infrared with CD, USB MP3 players infrared handheld microphone/transmitter & canvas carry case

Model:	Focus 500IR
Output Power	30W (RMS)
Receiving Method	Infrared
Frequency Response	50Hz~15KHz
Speaker System	6½"
Audio Inputs	MIC IN, AUX IN
Audio Outputs	AUX OUT
Power Supply	230v AC / Internal Battery
Battery Recharge	3 ~ 4 hours
Battery Life	Music: 5 \sim 6 hours / Voice: 10 \sim 12 hours
Dimensions	313(H) x 213(W) x 215(D) mm
Weight	5.5kg









CHALLENGER CA Wireless Portable Presentation System (UHF)

Now further upgraded with a new 120W class D built-in amplifier, 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 sound coverage up to 800m².

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

The Challenger 1004 also features easy to use controls and retractable handle to allow the unit to be easily transported.

Main Features:

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

System Packages:

- Challenger System 16H: Challenger 1004, 16 channel UHF with CD, USB MP3 and IR remote with UHF handheld microphone transmitter and canvas cover
- Challenger System 16BH: Challenger 1004, 16 channel UHF with CD, USB MP3 and IR remote with UHF beltpack transmitter, lightweight headset microphone and canvas cover
- Challenger System 16BT: Challenger 1004, 16 channel UHF with CD, USB MP3 and IR remote with UHF beltpack transmitter, tie clip microphone and canvas cover

Specifications:

Model:	Challenger 1004
Output Power	120W (RMS)
Frequency Range (UHF / PLL)	CH 1~12 845.900 ~ 861.550 Licence Required CH 13~16 863.100, 863.900, 864.500, 864.900 Deregulated. No Licence required
Battery Life	Music: 5 \sim 6 hours / Voice:10 hours
Battery Life (constant CD player use)	5 ~ 6 hours
Battery Recharge Time (approx)	6 hours
Built-in Charger	Yes
Music Options	CD Player with pitch control and integrated USB MP3 player
Power Requirement	230v AC / Internal Battery
Dimensions	350(W) x 500(H) x 300(D) mm
Weight	21kg

New RP-6016M Wireless Transmitter

Module for multiple unit wireless-linked systems... where larger wirefree systems are required, the inclusion of the RP-6016M 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-6016M is compatible with all C1004 & V2004 units.





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New 120W class D amplifier for amproved efficiency improved efficiency and reduced power and reduced power consumption

Victory2004 Wireless Portable Presentation System (UHF)

The flagship of this portable PA range, the **Victory 2004** provides the highest power output, capable of high quality, controlled coverage for up to 1000m².

This new 120W class D version includes built-in loudspeaker, crossover, amplifier, wireless microphone receiver, rechargeable battery, together with CD & USB MP3 player as standard. It is also fitted with integrated wheels and retractable handle for ease of transportation.

Main Features:

- 120W (RMS) internal class D amplifier and two-way loudspeaker with crossover
- Integral UHF wireless microphone receiver (plus option for an additional **three** receivers)
- CD player with pitch control, complete with USB MP3 player & IR remote control
- 2 x wired microphone / auxiliary inputs, plus line level output
- Extension loudspeaker output (8Ω)
- Optional matching extension loudspeaker (V2000 Companion)
- Internal rechargeable battery or mains operation
- Retractable handle & integrated wheels
- Tripod mountable
- Protective cover

System Packages:

- Victory System 16H: Victory 2004, 16 channel UHF with CD, USB MP3 and IR remote with UHF handheld microphone transmitter and canvas cover
- Victory System 16BH: Victory 2004, 16 channel UHF with CD, USB MP3 and IR remote with UHF beltpack transmitter, lightweight headset microphone and canvas cover
- Victory System 16BT: Victory 2004, 16 channel UHF with CD, USB MP3 and IR remote with UHF beltpack transmitter, tie clip microphone and canvas cover

Specifications:

Model:	Victory 2004
Output Power	120W (RMS)
Frequency Range (UHF / PLL)	CH 1~12 845.900 ~ 861.550 Licence Required CH 13~16 863.100, 863.900, 864.500, 864.900 Deregulated. No Licence required
Battery Life	Music: 5 ~ 6 hours / Voice: 10 hours
Battery Recharge Time (approx)	6 hours
Built-in Charger	Yes
Music Options	CD Player with pitch control and integrated USB MP3 player
Power Requirement	230v AC / Internal Battery
Dimensions	350(W) x 585(H) x 300(D) mm
Weight	25kg

Now allowing up to 4 UHF Receivers!

The new Challenger 1004 and Victory 2004 models now allow for up to **four** UHF receivers (therefore allowing for up to 4 different microphone channels).

Combined with the new RP-6016M Wireless Transmitter Module, the new portable models now allow for even greater coverage, channel flexibility and the true freedom of 'going wireless'!



Retractable handle and wheels for easy portability







Smart 300 Mini Portable PA System (VHF)

The **Smart 300** is the most compact and lightweight amplified loudspeaker system of the Chiayo Portable PA Range (small enough to fit in your hand!) and is ideal for basic presentation and voice reinforcement applications.

Two systems are available, each featuring internal rechargeable batteries to allow use in almost any indoor and outdoor environment.

Each system also includes a surprisingly powerful 25W (RMS) internal amplifier and 4" full range loudspeaker, microphone and auxilliary inputs.

The Smart 300 features an internal VHF radio microphone receiver, for use with a choice of Handheld Microphone/Transmitter or Beltpack Transmitter & Tieclip Microphone.

In addition, the Smart features a USB 2.0 input slot which will play MP3 audio files over the system.

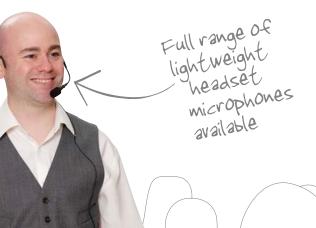
Main Features:

- 25W internal class D amplifier & 4" loudspeaker
- Integral VHF wireless microphone receiver (wired mic only option also available)
- USB 2.0 slot MP3 player
- Wired microphone/auxiliary inputs, plus loudspeaker output
- Level control per input
- Internal rechargeable battery or mains operation

System Packages:

- Smart System 1H: Smart 300 featuring VHF receiver and USB MP3 player, VHF handheld microphone and canvas carry case
- Smart System 1BT: Smart 300 featuring VHF receiver and USB MP3 player, VHF beltpack transmitter, tieclip microphone and canvas carry case

Model:	Smart 300
Power Output	25W (RMS)
Speaker System	4" speaker
Audio Output	MIC IN, AUX IN
Audio Out	Ext Speaker Out
Power Supply	230v AC / Internal Battery
Rechargeable Battery Type	12v/2.7AH
Frequency Band (Fixed)	VHF 174.600MHz
Sensitivity	-90dBm at S/N ratio > 60dB
S/N Ratio	>105dB
Peak Deviation	±15KHz
T.H.D.	<0.5dB
Frequency Response	50Hz ~ 15KHz
Dimensions	140(W) x 244(H) x 143(D) mm
Weight	2.7kg









from CHIAYO

UNITY SYSTEM 1 SERIES - VHF True Diversity Systems

The new Unity System 1 series of VHF 16 Channel Wireless Microphone Systems brings high performance and simplicity together to provide a full range of ready to use, complete systems.

Supplied in strong, lightweight ABS cases for safe storage and transportation.

Main Features:

- 16 Channel VHF
- High sensitivity and excellent image rejection
- Single compander design
- Pilotone control
- True Diversity reception
- Half-19" Receiver casing
- Balanced audio output (XLR) / Unbalanced audio output (phono jack)
- Selectable MIC or LINE output level
- RF test function
- AF, RF and Diversity LED bar indicators

System Packages:

- UNITY SYSTEM 1H: VHF 16 Channel Handheld System
- UNITY SYSTEM 1BT: VHF 16 Channel Beltpack/Tieclip System

 UNITY SYSTEM 1BH: VHF 16 Channel Beltpack/Headset System

Specifications:

Model:	UNITY SYSTEM 1 SERIES:
Frequency Range	160 ~ 260MHz
Channels per Band	16 Selectable
Special Functions	Compander, Pilotone
Transmitters	
Controls	ON/OFF, Channel Set, Gain
Power	3 x AA batteries. Up to 16 hours operating time*
Receiver	
Display Screen	LCD bar indicators
Antennas	Compact (supplied). High gain external (optional)
Controls	ON/OFF, Channel Select, Squelch, Volume Control, RF Test
Indicators	AF, RF, Power On
Outputs	Balanced/Unbalanced
Power	12v DC via 230v PSU

* Measured with high quality ('Duracel' Alkaline) batteries

Conforms to ETS 300445, MPT1345. (No licence necessary). Frequencies available: 173.800, 174.000, 174.100, 174.200, 174.400, 174.500, 174.600, 174.600, 175.000. The following channels are co-ordinated frequencies and require a licence to operate: 176.400, 177.000

Options: For a full list of Unity Series options, separates and accessories, go to page 13







UNITY SYSTEM 7 SERIES - UHF True Diversity, 100 Channels

The new Unity System 7 series of UHF 100 Channel Wireless Microphone 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.

Main Features:

- 100 factory preset user-selectable UHF frequencies
- Advanced microprocessor control, with improved signal performance for interference-free, multi-channel operation
- AUTO SCAN function searches for the cleanest frequency
- True Diversity for highest quality reception with no dropouts
- Battery signal indicator on receiver panel monitors transmitter battery status
- Liquid Crystal Display (LCD) on both receiver and transmitter
- 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 19" rack mount kit (optional)
- UP, DOWN, MENU, SET function buttons
- White-in-blue LCD display
- RF/AF signal strength, Diversity A/B indicators
- Easy to read, programmable, multi-function LCD





System Packages:

- UNITY SYSTEM 7H: UHF 100 Channel Handheld System
- UNITY SYSTEM 7BT: UHF 100 Channel Beltpack/Tieclip System
- UNITY SYSTEM 7BH: UHF 100 Channel Beltpack/Headset System

Specifications:

Model:	UNITY SYSTEM 7 SERIES:
Frequency Range	600 ~ 900MHz
Channels per Band	100 Selectable
Special Functions	Compander, Pilotone
Transmitters:	
Display Screen	LCD, Channel/Frequency, Sensitivity, Battery Level indicator
Controls	ON/OFF, Gain, Channel Set
Power	2 x AA batteries. Up to 12 hours operating time*
Receiver:	
Display Screen	LCD showing full function read out
Antennas	Compact (supplied). High gain external (optional)
Controls	Volume, Channel, Auto Scan, Squelch via LCD readout
Indicators	Diversity reception, Weak TX Battery Alarm, RF & AF signal strengths
Outputs	Balanced/Unbalanced
Power	12v DC via 230v PSU

* Measured with high quality ('Duracel' Alkaline) batteries

Approved to ETS 300422 ETS300455

Licensing is necessary for UHF Transmitters unless used on UK deregulated channels outlined below. Frequencies 863.100, 863.900, 864.500, 864.900 are Licence Exempt.





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Portable PA System Controls on Rear Panels

Smart 300:

- 1 USB MP3 Player
- 2 Wireless Mic Contro
- 3 Wired Microphone Input
- 4 Battery Compartment
- 5 AUX Input
- 6 Power Input
- 7 Tone Control
- 8 External Speaker Output
- 9 Power/Mic Control
- 10 AUX / USB MP3 Level Control



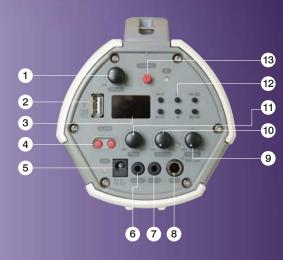


Coach 400:

- On/Off & Master Volume
- 2 USB2.0 MP3 Player Port
- 3 MP3 Player Display
- 4 Alarm Tones
- 5 DC Power Supply Input
- 6 Aux Output
- 7 Aux Input
- 8 Wired Mic Input
- 9 Mic Volume Control
- 10 Aux/USB MP3 Volume Control
- 11 Tone Control
- 12 USB MP3 Player Controls
- 13 UHF Receiver Channel Selector

Focus 505 & Focus 500IR:

- CD Player Module
- 2 USB MP3 Player Input
- 3 Wired Microphone Input
- 4 Wired Microphone Level Control
- 5 Line Input/Output
- 6 Line Level Control
- 7 Tone Control
- 8 Wireless Microphone Level Controls
- 9 External/Extension Loudspeaker Output
- 10 Power On/Off
- 11 Voice Priority On/Off
- 12 DC Power Supply Input
- 13 Wireless Microphone Channel Selection









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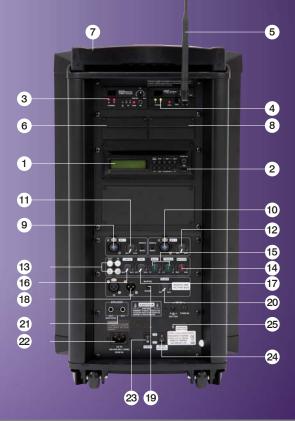
Portable PA System Controls on Rear Panels

Challenger 1004 & Victory 2004:

- 1 CD Player Module
- 2 USB MP3 Player Input
- 3 RF Receiver Module
- 4 Optional RP-6016M Wireless Transmitter Module (Module slot can alternatively be used for a 4th Receiver Module)
- 5 RP-6016M Antenna
- 6 Additional Receiver Module Slot
- 7 Retractable Handle
- 8 Additional Receiver Module Slot
- 9 Wired Microphone Input 1
- 10 Wired Microphone Input 2
- 11 Wired Microphone 1 Level Control
- 12 Wired Microphone 2 Level Control
- 13 Line Inputs/Outputs
- 14 Master Volume Control
- 15 Tone Control
- 16 Line Level Control
- 17 CD/MP3 Level Control
- 18 Active Bus Input/Output
- 19 Master/Slave Selector
- 20 Slave Bus Level Control
- 21 External/Extension Loudspeaker Output
- 22 Mains Power Input
- 23 Power On/Off
- 24 Voice Priority On/Off
- 25 Charging Indicator











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



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Wireless Microphone & Portable PA Systems

CHALLENGER DA

- Compact, portable, all-in-one unit
- Highly efficient
 power output
- CD & USB MP3 player120W internal amplifier
- & full range speaker
 Coverage up to 800m²
- Now with option for up to 4 channels!
- Featuring new low power consumption class D amplifier

Smart

- Most compact, lightweight solution
- USB MP3 player
- 25W internal class D amplifier & speaker
- Internal rechargeable battery
- Mic & Aux inputs

Focus 500 IR

- Infrared signal transmission ideal for multiple classroom systems application!
- Very lightweight but high power output
- CD & USB MP3 player
- 30W internal amplifier & full range speaker
- Coverage up to 400m²

Distributed by:

VICTORY 2004

- Compact, portable, all-in-one unit
- High output power
- CD & USB MP3 player
- 120W internal amplifier & full range speaker
- Coverage up to 1000m²
- Now with option for up to 4 channels!
- Featuring new low
- power consumption class D amplifier

60 CUS 505

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

New 'Personal' portable PA system

- Worn over the shoulder for mobile tours
- Stylish, compact and easy to use
- 25W internal amplifier & full range speaker

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CIE-Group are exclusive UK representatives for the Chiayo product range.





CIE-Group Ltd Widdowson Close Blenheim Ind Est Bulwell Nottingham NG6 8WB England T +44(0)115 9770075 F +44(0)115 9770081 E info@cie-group.com W www.cie-group.com

www.chiayo.co.uk

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