Qtech

Commercial Series

Qtech

Q-Matrix 88
VENUE MIXER

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Contents

QTA 1120P POWER AMP

Public address amplifiers could be said to be the utility end of the audio market, working anonymously day after day in a dusty cupboard or equipment space. Quite invisible to all until one fails. It is amazing how quickly "no sound" reverberates up the business chain of command to impose itself on the unfortunate contractor who has supplied the faulty equipment.

Quest commercial audio is manufactured to the same exacting standards as the live audio products.

This is why Quest offers such a wide range of commercial Amplifiers. There's a model for every situation. A range of pro features makes the Quest QTA series an easy choice for contractors who need flexibility of sound design options and easy installation.

Output Power (RMS)	120W
Power Supply	240V 50/60Hz
Battery Voltage	DC 24V
THD	<= 0.5% @ 1KHz rated power
Sensitivity	1v @ 10K ohm (XLR, TRS)
Outputs	8Ω, 70V, 100V
Signal to Noise Ratio	90 dB
Indicator	Power On, Level
AC Pwr Consumption	200W
DC Pwr Consumption	8A
Dimensions (mm)	88(H) x 482(W) x 335(D)
Weight	9.1 Kg
Mounting	Desktop or 19" rack mountable

Q-Tech Commercial Series

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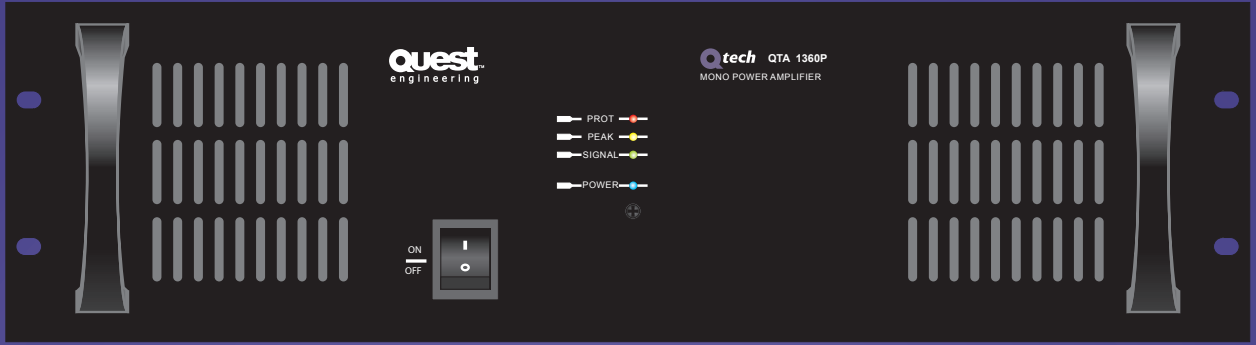Quest commercial audio is manufactured to the same exacting standards as the live audio products.

This is why Quest offers such a wide range of commercial Amplifiers. There's a model for every situation. A range of pro features makes the Quest QTA series an easy choice for contractors who need flexibility of sound design options and easy installation.

Output Power (RMS)	360W
Power Supply	240V 50/60Hz
Battery Voltage	DC 24V
THD	<=0.5% at 1KHz.1/3 rated power
Sensitivity	1V, 100mV @ 10KΩ
Outputs	8Ω, 70V, 100V
Signal to Noise Ratio	90 dB
Indicator	Power On, Level
AC Pwr Consumption	500W
DC Pwr Consumption	24A
Dimensions (mm)	482 (W) x 385 (D) x 132 (H)
Weight	16 Kgs
Mounting options:	Desktop or 19" rack

Q-Tech Commercial Series
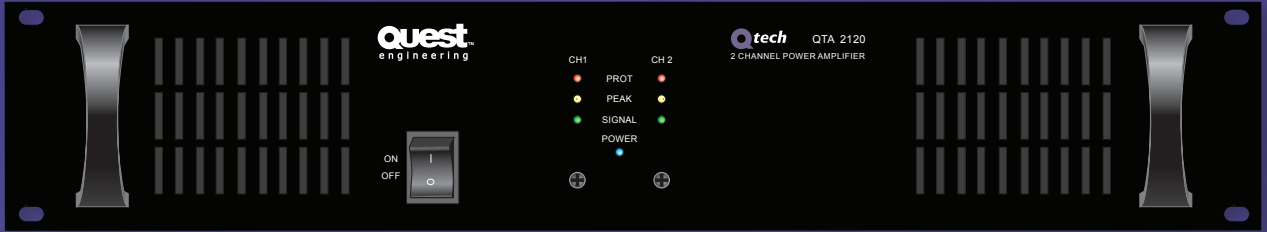
The QTA 2120P Power amplifier has been designed for two channel or two zone operation. This is another good idea to save rack real estate for larger multi zone installations.

- 2 x XLR Inputs
- Front mounted level controls via screwdriver adjustment
- 1/4 in jack balanced outputs
- Separate 24v operation capability on each channel
- Overload, over temperature and speaker short circuit protection
- 3 year replacement warranty

Output Power (RMS)	120W (RMS) x 2
Main Voltage	240V 50/60Hz
Battery Voltage	DC 24V
THD	<= 0.5% @ 1KHz rated power
Sensitivity	1V @ 10KΩ (XLR, TRS)
Outputs	8Ω, 70V, 100V
Signal to Noise Ratio	90 dB
Indicator	Power On, Level
AC Pwr Consumption	400W
DC Pwr Consumption	16A
Dimensions (mm)	482 (W) x 385 (D) x 88(H)
Weight	16 Kgs
Mounting options:	Table top or 19" rack mountable

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QTA 6060M POWER AMP
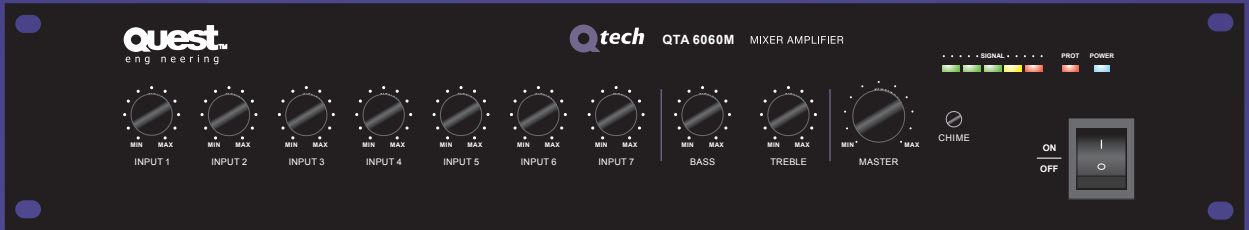
Quest has tried to pack as much as possible into a small box to give maximum flexibility. We even offer the opportunity to hard wire mic inputs via the rear mounted Phoenix connectors. These amplifiers have even been designed to easily add additional power amplifiers, if more horse power is needed.

The QTA 6000 series amplifiers are 8 input channel mixer amplifiers designed for distributed paging and background music systems and in applications where music on hold (MOH) plus paging is required.

With 4 microphone/line inputs and line level inputs, the 6000 series mixer amplifiers will accommodate a variety of input sources including paging microphones, CD players, and digital music players.

This 8 input channel mixer amplifier features muting and output options along with a special bridge in/out feature to allow combining of multiple amplifiers in applications without the need for external relays.

VCA remote level control circuitry is included.

Output Power (RMS)	60W
Power Supply	240V 50 / 60Hz
Battery Voltage	DC 24V (MAX 10% deviation)
THD	< 1% @ 1KHz, rated power
Outputs	4, 8, 70V, 100V
Signal to Noise Ratio	75 dB (All Volume Controls)
Indicators	Power indicator (LED), output level indicators (6 LEDS)
AC Pwr Consumption	100W
DC Pwr Consumption	8A
Dimensions (mm)	88(H) x 482 (W) x 300 (D)
Weight	13Kg
Mounting	Table top or 19" rack mountable

Q-Tech Commercial Series

QTA 6120M POWER AMP

QTA 6120M MIXER AMPLIFIER

INPUT 1 | INPUT 2 | INPUT 3 | INPUT 4 | INPUT 5 | INPUT 6 | INPUT 7 | BASS | TREBLE | MASTER | CHIME

SIGNAL · PROT · POWER

ON / OFF

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The QTA-6000 series amplifiers are 8 input channel mixer amplifiers designed for distributed paging and background music systems and in applications where music on hold (MOH) plus paging is required.

With 4 microphone/line inputs and 4 stereo inputs, the 6000 series mixer amplifiers will accommodate a variety of input sources including paging microphones, CD players, and digital music players.

This 8 input channel mixer amplifier features muting and output options along with a special bridge in/out feature to allow combining of multiple amplifiers in applications without the need for external relays.

VCA remote level control circuitry is included.

Output Power (RMS)	120W
Power Supply	240V 50 / 60Hz
Battery Voltage	DC 24V (MAX 10% deviation)
THD	< 1% @ 1KHz, rated power
Outputs	4, 8, 70V, 100V
Signal to Noise Ratio	75 dB (All Volume Controls)
Indicators	Power indicator (LED), output level indicators (6 LEDS)
AC Pwr Consumption	200W
DC Pwr Consumption	8A
Dimensions (mm)	88(H) x 482 (W) x 300 (D)
Weight	15Kg
Mounting	Table top or 19" rack mountable

Q-Tech Commercial Series

Quest has tried to pack as much as possible into a small box to give maximum flexibility. We even offer the opportunity to hard wire all mic inputs via the rear mounted Phoenix Connectors. These amplifiers have even been designed to easily add additional power amplifiers, if more horse power is needed.

The QTA 6000 series amplifiers are 8 input channel mixer amplifiers designed for distributed paging and background music systems and in applications where music on hold (MOH) plus paging is required.

With 4 microphone/line inputs and 4 line inputs, the 6000 series mixer amplifiers will accommodate a variety of input sources including paging microphones, CD players, and digital music players.

This 8 input channel mixer amplifier features muting and output options along with a special bridge in/out feature to allow combining of multiple amplifiers in applications without the need for external relays.

VCA remote level control circuitry is included.

Output Power (RMS)	250W
Power Supply	240V 50 / 60Hz
Battery Voltage	DC 24V (MAX 10% deviation)
THD	< 1% @ 1KHz, rated power
Outputs	4, 8, 70V, 100V
Signal to Noise Ratio	75 dB (All Volume Controls)
Indicators	Power indicator (LED), output level indicators (6 LEDS)
AC Pwr Consumption	350W
DC Pwr Consumption	16A
Dimensions (mm)	132 (H) x 482 (W) x 400 (D)
Weight	18.5 Kg
Mounting	Table top or 19" rack mountable

Q-Tech Commercial Series

QTA 1480P POWER AMP

PROT
PEAK
SIGNAL
POWER

ON
OFF

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Output Power (RMS)	500W
Power Supply	240V 50/60Hz
Battery Voltage	DC 24V
THD	<= 0.5% @ 1KHz rated power
Sensitivity	1V, 100mV @ 10KΩ
Outputs	8Ω, 70V, 100V
Signal to Noise Ratio	90 dB
Indicator	Power On, Level
AC Pwr Consumption	720W
DC Pwr Consumption	30A
Dimensions (mm)	482 (W) x 385 (D) x 132 (H)
Weight	19 Kg
Mounting	Desktop or 19" rack

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Q-Tech Commercial Series

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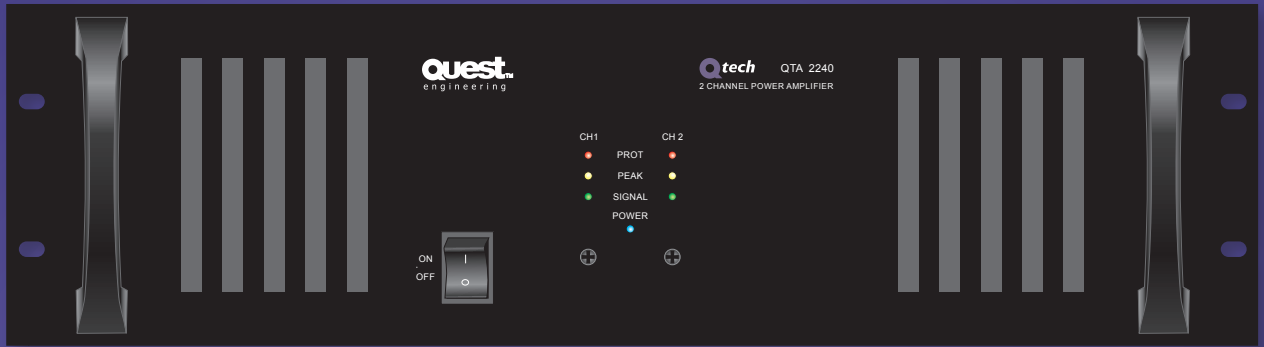
QTA 2240P POWER AMP

The QTA 2240P Power amplifier has been designed for two channel or two zone operation. This is another good idea to save rack real estate for larger multi zone installations.

- 2 x XLR Inputs

- Front Mounted level controls via screwdriver adjustment

- 1/4 in jack balanced outputs

- Separate 24v operation capability on each channel

- Overload, over temperature and speaker short circuit protection

- 3 year replacement warranty

Output Power (RMS)	240W x 2
Power Supply	240V 50/60Hz
Battery Voltage	DC 24V
THD	<= 0.5% @ 1KHz rated power
Sensitivity	1V @ 10KΩ (XLR, TRS)
Outputs	8Ω, 70V, 100V
Signal to Noise Ratio	90 dB
Indicator	Power On, Level
AC Pwr Consumption	720W
DC Pwr Consumption	30A
Dimensions (mm)	482 (W) x 385 (D) x 132(H)
Weight	22 Kgs
Mounting options:	Table top or 19" rack mountable

Q-Tech Commercial Series
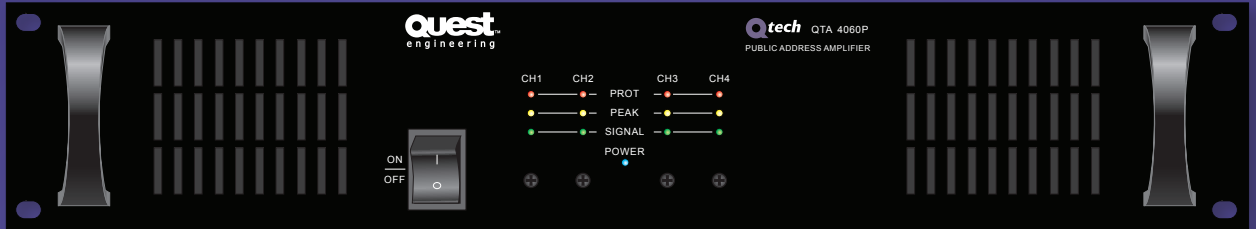
The QTA 4060P amplifier is a 4 channel power amplifiers designed for up to 4 zones application.

- 4 channels Power Amplifier
- Signal presence/clip and protection status indicators for each individual channel
- Individual gain controls of each input
- 8 ohm, 70V and 100V speaker output
- All inputs and outputs through Phoenix connectors for easy maintenance.
- Overload, over temperature, and speaker short protection.
- 240v AC and 24v DC power in
- 2RU height
- 19" rack or table mounted Rack ears supplied.
- 3 year replacement warranty.

Output Power (RMS)	60W (RMS) x 4
Power Supply	240V 50/60Hz
Battery Voltage	DC 24V
THD	<= 0.5% @ 1KHz rated power
Sensitivity	1V @ 10KΩ (XLR, TRS)
Outputs	8Ω, 70V, 100V
Signal to Noise Ratio	90 dB
Indicator	Power On, Level
AC Pwr Consumption	400W
DC Pwr Consumption	16A
Dimensions (mm)	88 (H) x 482 (W) x 420 (D)
Weight	16 Kgs
Mounting options:	Table top or 19" rack mountable

Q-Tech Commercial Series

QTA 4120P POWER AMP

The QTA 4120P amplifier is a 4 channel power amplifiers designed for up to 4 zones application.
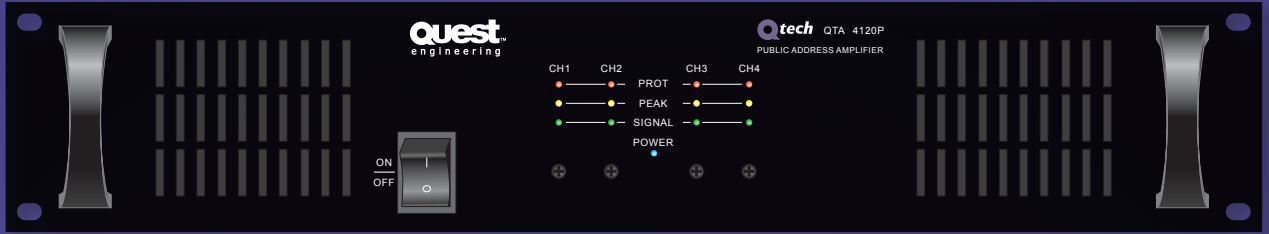
- 4 channels Power Amplifier
- Signal presence/clip and protection status indicators for each individual channel
- Individual gain controls of each input
- 8 ohm, 70V and 100V speaker output
- All inputs and outputs through Phoenix connectors for easy maintenance.
- Overload, over temperature, and speaker short protection.
- 240v AC and 24v DC power in
- 2RU height
- 19" rack or table mounted Rack ears supplied.
- 3 year replacement warranty.

Output Power (RMS)	120W (RMS) x 4
Power Supply	230V 50/60Hz
Battery Voltage	DC 24V
THD	<= 0.5% @ 1KHz rated power
Sensitivity	1V @ 10KΩ (XLR, TRS Jack)
Outputs	8Ω, 70V, 100V
Signal to Noise Ratio	90 dB
Indicator	Power On, Level
AC Pwr Consumption	720W
DC Pwr Consumption	16A
Dimensions (mm)	88 (H) x 482 (W) x 420 (D)
Weight	22 Kgs
Mounting options:	Table top or 19" rack mountable

Q-Tech Commercial Series

QTA 1240P POWER AMP

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Output Power (RMS)	240W
Power Supply	240V 50/60Hz
Battery	DC 24V
THD	<= 0.5% @ 1KHz rated power
Sensitivity	1v @ 10K ohm (XLR, TRS)
Outputs	8Ω, 70V, 100V
Signal to Noise Ratio	90 dB
Indicator	Power On, Level
AC Pwr Consumption	400W
DC Pwr Consumption	16A
Dimensions (mm)	88 (H) x 482 (W) x 385 (D)
Weight	13.2Kgs
Mounting	Desktop or 19" rack mountable

Q-Tech Commercial Series

QT ZM66 DIGITAL MIXER

The QT ZM66 digital 6 zone mixer provides an ideal public address solution for medium to large venues such as schools, function centres, shopping centres, hotels, transport stations and any venue requiring group or individual room paging and background program.

QT ZM66 Features
- 6 zones sources selection and control function
- Up to 6 QT ZM66M paging consoles may be used
- 10 inputs and 10 outputs
- In built 3 message capacity: 2 messages operated via dry contact closure, 3rd message operated from the console
- Built in chime generator
- 3 inputs for BGM sources with a mic input including 48v phantom power
- 3 levels of priority:
    - In-built message recording and BGM
    - Recorded messages
    - Paging & selection of paging zones overrides all other sources
- Build-in voltage output indicator
- RS 485 COM port
- MAX load is 2000W
- The unit can distribute one amplifier into 6 zones or 6 amplifiers for multiple zones up to 6 areas. Multi-paging microphones work together through daisy-chain connections.

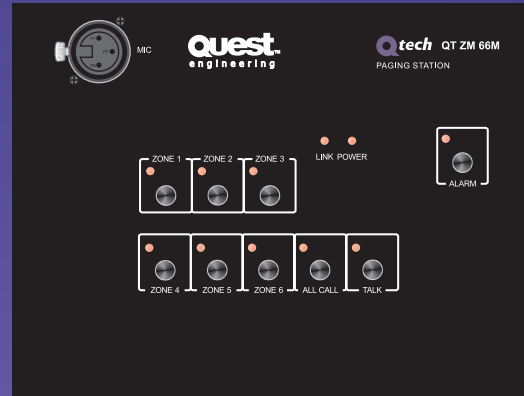| Console Input	
Sensitivity	-50 / -2 dB 2, 5 / 500 mV
S/N ratio	>68dB
Frequency response	100Hz - 17kHz(-3dB)
1 Microphone input	
Sensitivity	-50 / -2 dB 2, 5 / 500 mV
S/N ratio	>68dB
Frequency response	100Hz - 17kHz(-3dB)
Phantom power	48V
3 Auxiliary inputs	
Tuner & Tape input sensitivity/ impedance	200 mV / 47 Kohm
CD input sensitivity / impedance	500 mV / 47 Kohm
S/N ratio	>90 dB
Frequency response	40Hz - 20kHz(-3dB)
Control	
Bass	±12dB
Treble	±12dB
Chime	2 tone active for contact free in priority and BGM
Normal distortion	>0.1%
Operating Conditions	
Main power supply	230 V/ 50 Hz
Dimension (mm)	484X322X88
Net Weight	6.58KG
Weight	6.58KG
Max number of mic bases	6

Q-Tech Commercial Series

QT ZM66M PAGING STATION

QT ZM66M 6 zone paging console is able to page individual zones in addition to making "all call" paging announcements.

- Maximum of 6 consoles may be used
- Individual Zone selection, or all call
- If other QT ZM66M consoles are being used, announcements are prioritized as a first in/first served basis
- Message 3 Activation: message may be repeated, or a single message played continuously
- Paging Console has priority over all other sources
- 3 different recorded messages, each 60 seconds max
- Messages have priority on all music sources

Sensitivity	-50 / -2 dB 2, 5 / 500 mV
S/N ratio	>68dB
Frequency response	100/17.000Hz(-3dB)
Phantom power	48V
Bass	±12dB
Treble	±12dB
Chime	2 tone active for contact free in priority and BGM
Normal distortion	>0.1%
Main power supply	24 DC
Dimension (mm)	200 x 120 x 55
Weight	0.96KG
Max number of microphone bases	6

Q-Tech Commercial Series

QTL 1010 LOOP DETECTOR
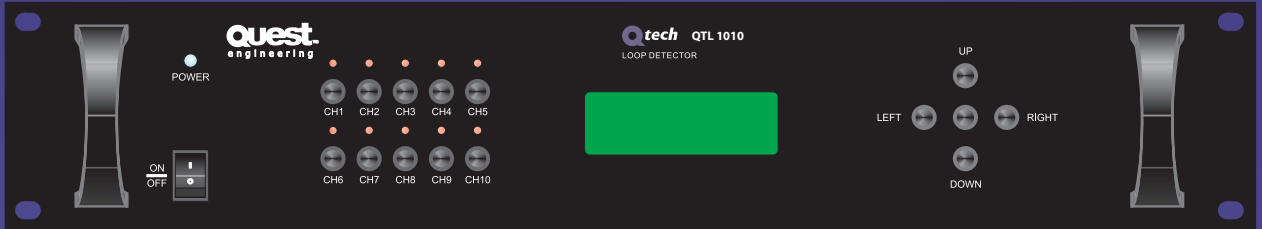
QTL 1010 Loop Detector is 10 Channel Speaker and amplifier monitoring panel to monitor speaker, speaker line and amplifier for open or short circuit.

- LED Display and Indicators
- 10 inputs and 10 outputs
- No interference to the normal background music
- Check 100V and 70V loop line, MAX load is 2000W per channel
- 240V and 24V DC power supply, memory function
- In-built microphone for message recording

Communication Interface	RJ45
Communication Protocol	20MA Circular Communication
Communication Speed	4800bps
Protection	AC FUSE 1A
Power Requirements	~230V/50Hz,24V DC
Power Consumption	360W
Signal to Noise Ratio	90 dB
Dimension (mm)	482 x 301 x 88
Weight	6.58KG

Q-Tech Commercial Series

The QTM 60 is a single rack unit mixer/pre amplifier with 4 microphone inputs complete with phantom power. Phantom power is selectable on all microphone inputs via rear mounted dip switches. The QTM 60 has three levels of priority for paging purposes. These are MIC 1 first priority, CHIME and EXT MIC is the second priority; EMC is the highest priority, with the auto input overriding all other inputs. This auto input caters for paging microphones which may activate the vox muting circuit.

There is a chime tone built in for paging purposes, with front mounted level control. Additionally, there are rear mounted gain controls for all the microphone inputs as well as input level controls on the front panel.

• 1 RU rack mount design
• 4 microphone plus paging mic inputs and 3 Aux inputs
• Separate Balanced / Unbalanced microphone inputs
• Rear mounted gain controls for microphones
• Record out feature
• 48v phantom power on mic inputs 1-4
• In built chime tones
• 24V spare power input

Input	• MIC 1 2 3 4 2.5mv/2K Ohms balance
	• 5mv/1K Ohms Unbalanced
	• AUX 1 2 3 10K Ohms/300mV Unbalance
	• EMC 775mV/15K Ohms Unbalance
Output	775mV 600 Ohms
Adjust Volume	BASS: ±10dB at 100Hz
	TREBLE: ±10dB at 10KHz
Freq. Response	20Hz~20KHz(±1dB)
Power Input	240V
Dimension (mm)	484 X 315 X 44
Weight	3.9kg

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Q-Tech Commercial Series

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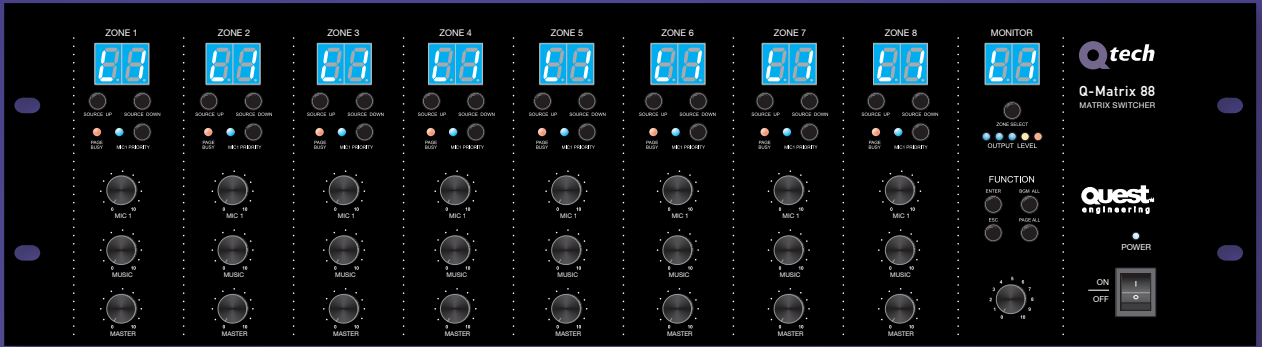
Q-Matrix 88 is a 3 rack unit multi-zone paging and source selection system that offers unprecedented flexibility for multi-zone paging and source routing applications. 8 program inputs are available to each of 8 zone outputs.

With LCD indication for program/local input selection, zone output level, paging enable/disable and network busy, the Q-Matrix 88 provides extensive status indication to the user.

The Q-Matrix 88 is also expandable to 24 zones via a simple link cable to a second and third unit. Paging stations are available in 8, 16 or 24 zones via strap on modules in groups of 8 zones. This allows paging into any individual zone, any combination of zones or All Call.

Remote control panels are also available, allowing source selection and volume control from within each remote zone. These panels each have 2 inputs, both mic and line with the ability to mix locally.

Both paging stations and remote control panels connect via inexpensive and industry standard CAT5 cable network. An overall priority input is also provided for emergency or evacuation signals.

QT EPS PAGING MICROPHONE

Allows for paging into 8 zones individually or "all call" As the Q Matrix 88 can be expanded to 24 zones, simple strap on modules QT EPS are available to extend the zones able to be paged in groups of 8 zones per QT EPS. Up to 24 zones are able to be paged individually.
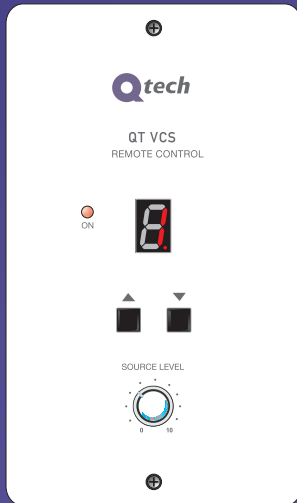
• Electret Microphone

• Comes with its own 24v Power supply

• Cabling is simple with standard Cat 5 back to the Q matrix 88
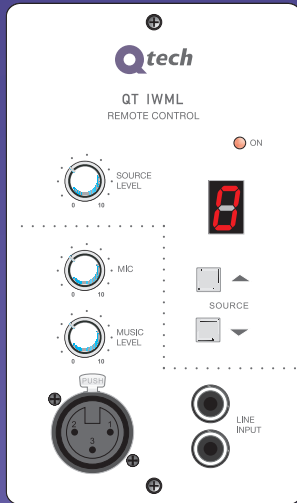

Q-Tech Commercial Series

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QT VCS

Remote controls of the Q Matrix 88 for source select volume control from within the zone.

- Will operate up to 50m over standard Cat 5
- Has facility for a 24v power input for distances greater that 50m
- Inbuilt relay so BGM is muted in emergency situations
- Steel wall mount box available for sturdy installation
- Colour white.

QT IWML

Remote controls of the Q Matrix 88 for source select volume control from within the zone. Plus:

- Dual RCA inputs
- XLR Mic input
- Automatically ducks any BGM sources when an device is plugged into the mixer component.
- Inbuilt relay so any sources being played within the zone is muted in emergency situations
- Will operate up to 50m over standard Cat 5
- Has facility for a 24v power input for distances greater that 50m
- Steel wall mount box available for sturdy installation
- Colour white.

QT IWWM

Remote mixer containing 2 x XLR inputs in a wall plate.

- Automatically ducks any BGM sources when an device is plugged into the mixer component.
- Individual level control for each input
- Separate HF and LF control for each input
- Inbuilt Relay so any sources being played within the zone is muted in emergency situations
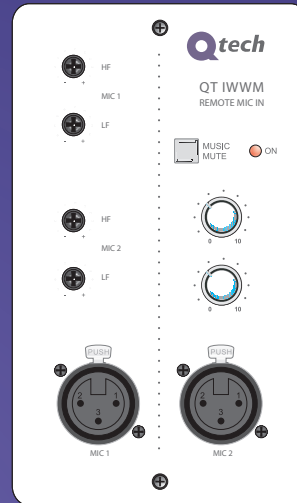- Will operate up to 50m over standard Cat 5
- Has facility for a 24v power input for distances greater that 50m
- Steel wall mount box available for sturdy installation
- Colour white.

Q-Tech Commercial Series
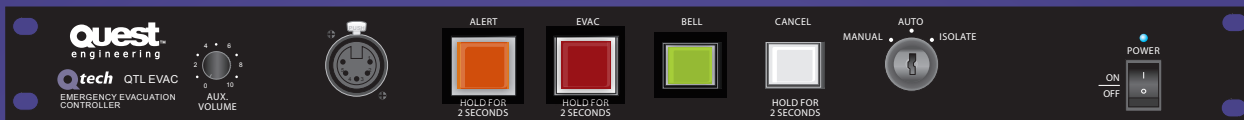
This controller is designed to automatically generate Emergency warning Tones which comply with AS 1670 building emergency alert/evacuate requirements. This unit may be used with Public Address Systems and interfaced to a Fire Indicator Panel. Auto or manual modes of operation are selected by the front panel 003 key switch.

- 1U 19" rack mount
- Remote operation of alert and evac tones
- Auto / manual / isolate 003 key switch
- Provision for voice-over message
- BGM and auxiliary input
- Switched 24V output for operating override
- On-board timer for remote alert activation
- Interfaces with fire indicator Panels
- 240V mains and 24V DC operation
- Local operation of alert, evac, PA
- Microphone socket for PA use
- Bell chime facility
- Separate relays for alert relay on remote volume controls with and evac signals for external alert/evac/PA signals strobe light operation
- Externally operated inputs

Q-Tech Commercial Series
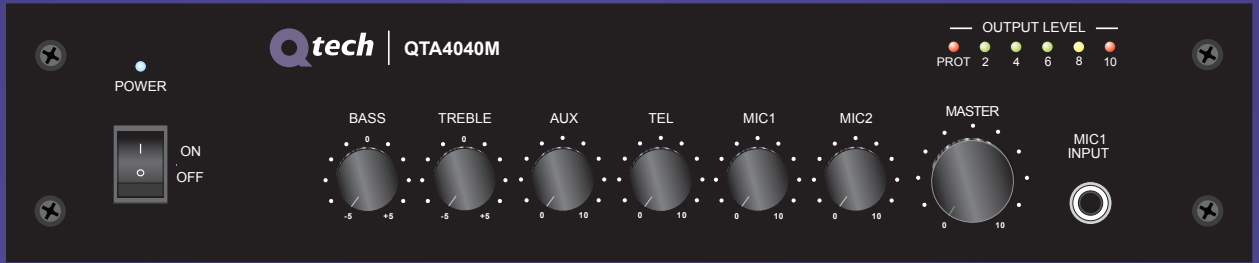
The QTA 4040M has been designed as a tabletop mixer amplifier created specifically for small installations where space is limited and a full sized 19 inch amplifier is not available.

This versatile amplifier is complete with the following:

- Microphone input with phantom power available
- Combi Plug for the Mic one input offers flexibility of mic connectors
- Dedicated input for interface for PABX paging
- Adjustable release time for Vox Muting

Speaker Line Input	4~16Ω, 70V, 100V
Power source	~220V - 240V 50/60Hz
Power consumption	70W
Net weight	4.0Kg
Gross weight	4.5Kg
Dimensions	360 x 270 x 66mm

Amplifier Section - (amp in @ 1khz,8ohm Load Output)	
Rated maximum output power (THD 1%)	40W

Input sensitivity/impedance	1V/20Kohms
Frequency response (At 1KHz Half power output)	50Hz~16KHz (+1dB/-3dB)

MIC1~2 input section - (MIC in@1Khz, preamp out)	
Input sensitivity/impedance	5mV/500ohms,unbalance, 2.5mV/500ohms,balance

AUX input section - (AUX in@1Khz, preamp out)	
Input sensitivity / impedance	300mV/500ohms

TEL input section - (AUX in@1Khz, preamp out)	
Input sensitivity / impedance	1V/500ohms

Q-Tech Commercial Series

QTS T600B PENDANT LOUDSPEAKER

The QTS T600B is a pendant speaker built-in 70v/100v transformer. The built-in 6" full range speaker driver is designed for a wide frequency response 100-10kHz. The ABS enclosure is of white colour. Easy to secure through the supplied secured steel mounting ring kit. It is an ideal choice for industrial and commercial applications in train stations, shopping malls, parking and factories where background music and paging is required.

Features

- Built-in 100v/70v transformer
- Pendant type loudspeaker
- 360 degree sound wide dispersion
- 6" full range speaker driver
- Power taps at 7.5w-10w-15w-20w-30w-60w
- ABS enclosure of white color
- Steel mounting security ring kit is supplied

Power Taps @ 100V:	7.5W, 10W, 15W, 20W, 30W, 60W
Power Taps @ 70V:	3.7W, 5W, 7.5W, 10W, 15W, 30W
Impedance:	White: 1.3k Ω, Orange: 1K Ω, Yellow: 670 Ω, Brown: 500 Ω, Blue: 330 Ω, Green: 165 Ω, Black: Com
SPL (1W\1M):	102dB
Max SPL (Rated W\1M):	120dB
Freq. response (-10dB):	100Hz - 10KHz
Finish:	ABS Synthetic
Speaker:	Speaker: 1 x 6" Driver
Dimensions:	385 x 385 x 302mm
Mounting:	Hock
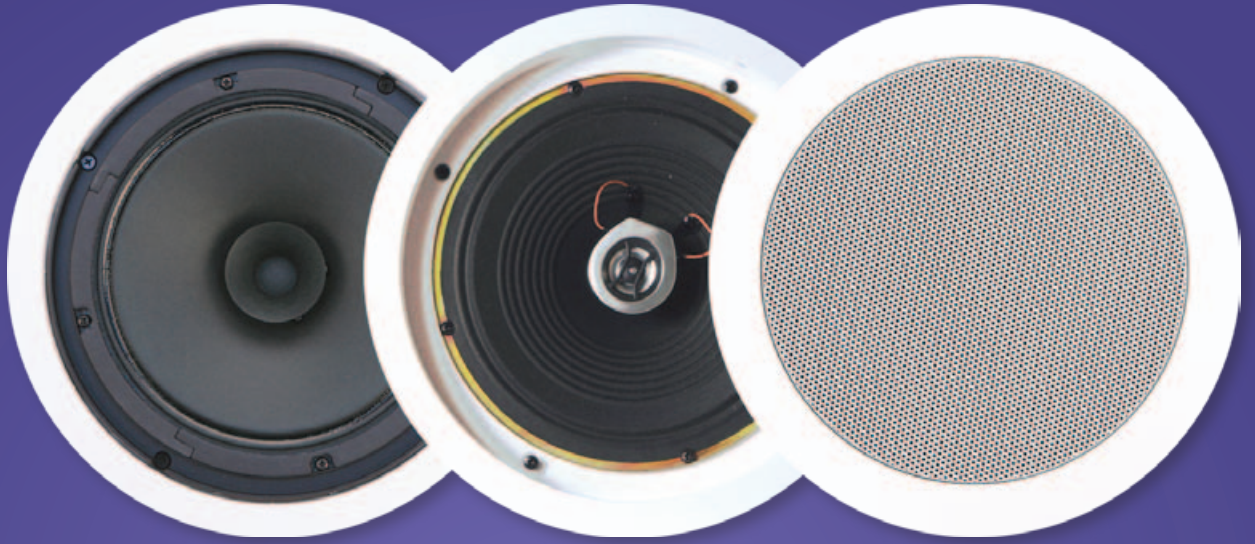
Q-Tech Commercial Series

Quest Engineering QTC range of flush mounted 100v ceiling speakers have been built in two versions, either with a back can or without. All speakers are Co-Axial for improved intelligibility and offer excellent intelligibility. All speakers in the range are of a 'fast fit' nature, featuring white metal grills.

	QTC 1050	QTC 1060	QTC 1080	QTC 1080 TC
Type:	5"+1"tweeter	6"+1"tweeter	8"+1"tweeter	8"Twin Cone
Speaker Type:	Coaxial	Coaxial	Coaxial	Coaxial
Rated Power:	10w	15w	20w	15w
Speaker tapings:	6w, 3w, 1.5w,	10w, 5w, 2.5w	15w, 10w, 5w,	15w, 7.5w, 3.25w,
	.65w, .75w	1.5w, 1.25w	2.5w, 2.75w	1.5w
Line Voltage:	100/70V	100/70V	100/70V	100/70V
Sensitivity:	88dB	89dB	90dB	90dB
Freq. Response:	80Hz-20KHz	80Hz-20KHz	80Hz-20KHz	80Hz-16KHz
Hole size:	185mm	215mm	252mm	252mm
Weight:	0.6Kg	0.9Kg	1.2Kg	0.9Kg

Qtech

Q-Tech Commercial Series

Quest ®
e n g i n e e r i n g

QTC 2000 SERIES CEILING SPEAKERS

100V ceiling speakers that are 100 percent High output, high efficiency and high vocal definition; this trio is the objective and many claim it, but few can make it happen across an entire product range. Quest Q-Space 100V speakers not only meet this specification but also add reliability. Quest Engineering QTC range of flush mounted 100v ceiling speakers have been built in two versions, either with a back can or without. All speakers are Co-Axial for improved intelligibility and offer excellent intelligibility. All speakers in the range are of a 'fast fit' nature, featuring white metal grills.

	QTC 2040BC	QTC 2060BC	QTC 2080BC
Type:	2 Way ceiling speaker with plastic back can	Two - Way ceiling speaker with plastic back can	Two - Way ceiling speaker with plastic back can
Cover/Material:	Fire resistant plastic vented enclosure + metal grill	Fire resistant plastic vented enclosure + metal grill	Fire resistant plastic vented enclosure + metal grill
Speaker Unit:	4" with ¾" tweeter coaxial	5.5" with ¾" tweeter coaxial	6.5" with ¾" tweeter coaxial
Power Handling:	20W / 25W	30W / 40W	50W / 55W
Impedance:	70V / 100V / 8Ω	70V / 100V / 8Ω	70V / 100V / 8Ω
Sensitivity:	89dB	90dB	92dB
Freq. response:	100Hz-20KHz	90-20KHz	80Hz-20KHz
Connector :	Phoenix in/out	Phoenix in/out	Phoenix in/out
Tapings:	20w, 10w, 5w and 2.5w	30w, 15w, 7.5w and 3.5w	50w, 25w, 12.5w, 6w, 3w & 8Ω
Installation:	Flush mount fast fit	Flush mount fast fit	Flush mount fast fit
Hole dimension:	Φ180mm	Φ210mm	Φ250mm
Weight:	1.9Kg	2.1Kg	2.8Kg

Qtech

Q-Tech Commercial Series

Not just audiophiles will love the Quest MW series, the MW will be a big hit with architects and installers as well. The MW Series In-Wall Speakers deliver high fidelity full bandwidth sound to all small to mid sized building spaces.

High vocal intelligibility is the hallmark of the MW series with no compromise in music reproduction. Models available include 165 mm (6.5 inch) and 200 mm (8 inch) woofer two way flush mount speakers.

The MW series is the no compromise solution, be it in a bar, home, commercial space, or as a distributed or delayed audio fill system supporting a large scale venue PA. For value and ease of installation, the Quest MW series has no equal.

- Weather-resistant design and construction
- **Casing:** Casing material is flame retardant PE plastic with a removable aluminium front grille
- **Cross-over :** Sophisticated 18 dB slope crossover network designed to optimize the sonic performance plus HF cut and boost and HF protection
- Rotate-able Tweeter
- **High Intelligibility:** User aimable titanium diaphragm tweeters ensure ample high frequency coverage. Optimised for vocal intelligibility without loss to full range music reproduction

Nominal Power:	60 W
Max Power:	120 W
DCR Woofer:	6.5 6.5 W Ω,
Dome Tweeter:	5.4 Ω
Mounting Diameter (mm):	185 x 271.5 x 80
Net Weight:	1.85 Kg
Impedance:	8 Ω ±1.2 Ω
Resonant Freq. Range:	60 Hz ± 20%
Frequency Response:	Fo~20 KHz ± 4 KHz SPL 86 dB ± 2 dB
Dimensions (mm):	209.5 x 307 x 91.5

Q-Tech Commercial Series

MW 800 WALL SPEAKERS

Not just audiophiles will love the Quest MW series, the MW will be a big hit with architects and installers as well. The MW Series In-Wall Speakers deliver high fidelity full bandwidth sound to all small to mid sized building spaces.

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- Weather-resistant design and construction
- **Casing:** Casing material is flame retardant PE plastic with a removable aluminium front grille
- **Cross-over :** Sophisticated 18 dB slope crossover network designed to optimize the sonic performance plus HF cut and boost and HF protection
- Rotate-able Tweeter
- **High Intelligibility:** User aimable titanium diaphragm tweeters ensure ample high frequency coverage. Optimised for vocal intelligibility without loss to full range music reproduction

Nominal Power:	80 W
Max Power:	160 W
DCR Woofer:	7.2 7.2 W Ω,
Dome Tweeter:	5.4 Ω
Mounting Diameter (mm):	220 x 323 x 80
Net Weight:	2.65 Kg
Impedance:	8 Ω ± 1.2 Ω
Resonant Freq. Range:	55 Hz ± 20%
Frequency Response:	Fo~20 KHz ± 4 KHz SPL 87 dB ± 2 dB
Dimensions (mm):	255 x 358 x 99.5

Qtech

Q-Tech Commercial Series

Quest engineering ®

MC 650 SERIES CEILING SPEAKERS

Quest Engineering re-invents the ceiling speaker. With the MC Series, there are all the advantages of a full range multi-way speaker installation packed into a discrete ceiling style format.

As with all commercial series Quest products, power handling, sonic quality and ease of installation are to be expected with the added bonus of a manually aimable tweeter, HF cut/boost, HF protection and long wearing custom manufactured components.

As with all commercial series Quest products, power handling, sonic quality and ease of installation are to be expected with the added bonus of a manually aimable tweeter, HF cut/boost, HF protection and long wearing custom manufactured components.

- Weather-resistant design and construction
- **Casing:** Casing material is flame retardant PE plastic with a removable aluminium front grille
- **High Intelligibility :** User aimable titanium diaphragm tweeters ensure ample high frequency coverage. Optimised for vocal intelligibility without loss to full range music reproduction
- **Cross-over :** Sophisticated 18 dB slope crossover network designed to optimize the sonic performance plus HF cut and boost and HF protection
- **Easy Installation :** Locking clamps for easy installation. Ultra compact profile for "tight" installation spaces. Cut out templates, paint mask and comprehensive technical manual included for quick and easy installation

Nominal Power:	60 W
Max Power:	120 W
DCR Woofer:	6.5 6.5 W O,
Dome Tweeter:	5.4 O
Mounting Diameter (mm):	192mm
Net Weight:	1.85 Kg
Impedance:	8 O ± 1.2 O
Resonant Frequency Range:	60 Hz ± 20%
Frequency Response:	Fo~20 KHz ± 4 KHz SPL 86 dB ± 2 dB
Cut-out dimension (WxD):	205mm x 85mm

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Q-Tech Commercial Series

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MC 800 SERIES CEILING SPEAKERS

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Nominal Power:	80 W
Max Power:	160 W
DCR Woofer:	7.2 7.2 W O,
Dome Tweeter:	5.4 O
Mounting Diameter (mm):	236mm
Net Weight:	2.65 Kg
Impedance:	8 Ω ± 1.2 O
Resonant Frequency Range:	55 Hz ± 20%
Frequency Response:	Fo~20 KHz ± 4 KHz SPL 87 dB ± 2 dB
Cut-out dimension (WxD):	240mm x 95mm

Q-Tech Commercial Series

The QTA ACC1 is a high quality compact class D 2×20 watt highly efficient digital amplifier powered by a 24 volt power supply. It can be powered by its own 24V supply or alternatively, by a 24V DC "party line".

The QTA ACC1 is perfect for the education, A/V installation and high end commercial market where compact high intelligibility speakers in small spaces or distributed environments are required. It is an ideal partner for the Quest M series wall and in wall speakers and because of the low radiated heat of the amplifier, this unit may be installed within the ceiling or wall cavity or attached to the rear of a flat screen TV monitor. Volume may be set at a fixed level or changed via a Projector remote control. When more power is required, bridge mode can be selected to deliver 40W RMS Class D high efficiency amplifier

- Stereo output 20 watts by two channels or bridged 40 watt mono.
- 2 Mic/line switchable inputs: choice of RCA or Phoenix connectors to give a choice of Balanced or unbalanced inputs.
- Input 1 and input 2 volume controls plus bass and treble tone controls
- Speaker stereo outputs at 4 ohms and speaker bridge output at 8 ohms

- Built-in limiter for low noise and efficient operation, which may be switched off.
- DC 24V power supply adapter is included
- Smart compact size for tabletop or wall mount design by integrated mounting brackets
- Input: 2 aux inputs by RCA and 2 mic/line inputs by phoenix connectors
- RMS: 2 x 20w RMS per channel into 4 Ohm or 40w Mono into 8 Ohm

Input Impedance :	47K ohms
Input Sensitivity :	32dB
THD :	0.05%
Efficiency :	85%
Frequency Response :	20 Hz-25K Hz
Power Supply :	24V DC, by the supplied power adapter
Control Input :	1-2 volume control, bass and treble tone control
Power Input :	~240V/50Hz
Dimension :	152mm X 90mm X 38mm
Weight :	0.45KG

Q-Tech Commercial Series

M210S TRIPLE-BAND PASS SUB-WOOFER

Need more bass but stuck for space?

Quest Engineering subwoofers have a great reputation for their reliability and extended low frequency response. The M210S provides authentic sub bass output yet is a compact size ideal for discrete installation.

Suited for a back ground music installation where full range sound is required up to a medium SPL level.

Partner with the Quest QA 1004 amplifier (switchable electronic x-over) for a great sub bass solution for small venues that want real bass; heard but not seen.

Frequency Range (-10dB)	40Hz~200Hz
Frequency Response (-3dB)	48Hz~160Hz
Rec. Hi pass Frequency	20Hz
Max Calculated SPL	127dB
Rated System Power	300W Continuous, 1200W Peak
LF Transducer	2 x 10"/50mm
Nominal Impedance	4 Ohms
Connector	2 x NL4 Speakon
Dimensions (H x W x D) mm	400 x 650 x 445
Shipping Dimensions (H x W x D) mm	55 x 720 x 490
Net Weight	32.5Kg
Shipping Weight	10.6Kgs

Qtech

Q-Tech Commercial Series

MS 401 OUTDOOR WALL MOUNT SPEAKER

The MS Series all-weather loudspeakers are the ideal choice for supplying high fidelity sound for discreet indoor and outdoor applications. Their advanced polymer housing is designed to be acoustically inert and withstand harsh outdoor and maritime environments.

Mounting hardware and grilles are aluminum to drastically reduce corrosion. The vented cabinet design and high-compliance woofers generate realistic bass response in open air applications and the highefficiency soft dome tweeters yield extended high-frequency response.

Whether low impedance or 70/100 volt line installation, custom designed drivers and matching passive circuitry enables MS series indoor/outdoor loudspeakers to provide levels of vocal clarity and bass performance that substantially exceed their physical size.

Finishing Available in black or paint-able white finishes to match any décor inside or out

High Intelligibility Titanium Dome Tweeter which delivers exceptional intelligibility

Bass Driver High excursion bass driver delivers high efficiency and extraordinary bass response in a modest cabinet size

Multi-tap Transformer Combination 8Ω/70/100 volt line capability with multiple power tappings

Casing Outdoor friendly UV stabilised plastic casing, sculpted front baffle and rounded enclosure minimize diffraction for more open and life-like imaging. Rustproof aluminium grille with 65% open area

Cross-over Substantial phase adjusted cross-over network with ceramic HF Protection

Hardware All aluminium alloy hardware for years of rustproof reliability. Brackets allows multiple mounting options and full 90 degree rotation while retaining access to back panel for easy installation wiring

Peak Power:	100 W
Power Handling:	50 W
Type:	Bass Reflex
Impedance Nominal:	8Ω
Transformer Tappings:	25 W / 20 W / 15 W / 10 W + 8Ω Direct
Components LF:	4" Poly Propylene Cone, Rubber Surround, 25 mm Voice Coil
Components HF:	Dome Tweeter, PEI Diaphragm, 20 mm Voice coil
Angle of Coverage:	90° x 90°
Sensitivity 1W 1 meter:	88 dB
Max SPL:	108 dB
Frequency Response:	80 Hz - 20 Khz ± 4 dB
Crossover Frequency:	3000 Hz
Crossover:	12 dB
Enclosure Material:	UV Stabilised ABS
Brackets Material:	Aluminium
Grille Material:	Aluminium
Dimensions WxHxD:	153 mm x 278 mm x 180.5mm
Net Weight:	2.6 kg
Shipping Dimensions WxHxD:	203 mm x 319 mm x 226 mm

Q-Tech Commercial Series

MS 601 OUTDOOR WALL MOUNT SPEAKER

The MS Series all-weather loudspeakers are the ideal choice for supplying high fi delity sound for discreet indoor and outdoor applications. Their advanced polymer housing is designed to be acoustically inert and withstand harsh outdoor and maritime environments.

Mounting hardware and grilles are aluminum to drastically reduce corrosion. The vented cabinet design and high-compliance woofers generate realistic bass response in open air applications and the highefficiency soft dome tweeters yield extended high-frequency response.

Whether low impedance or 70/100 volt line installation, custom designed drivers and matching passive circuitry enables MS series indoor/outdoor loudspeakers to provide levels of vocal clarity and bass performance that substantially exceed their physical size.

Finishing Available in black or paint-able white finishes to match any décor inside or out

High Intelligibility Titanium Dome Tweeter which delivers exceptional intelligibility

Bass Driver High excursion bass driver delivers high efficiency and extraordinary bass response in a modest cabinet size

Multi-tap Transformer Combination 8Ω/70/100 volt line capability with multiple power tappings

Casing Outdoor friendly UV stabilised plastic casing, sculpted front baffle and rounded enclosure minimize diffraction for more open and life-like imaging. Rustproof aluminium grille with 65% open area

Cross-over Substantial phase adjusted cross-over network with ceramic HF Protection

Hardware All aluminium alloy hardware for years of rustproof reliability. Brackets allows multiple mounting options and full 90 degree rotation while retaining access to back panel for easy installation wiring

Peak Power:	160 W
Power Handling:	80 W
Type:	Bass Reflex
Impedance Nominal:	8Ω
Transformer Tappings:	40 W / 30 W / 20 W / 10 W + 8Ω Direct
Components LF:	6.5" Poly Propylene Cone, Rubber Surround, 35 mm Voice Coil
Components HF:	Dome Tweeter, Silk Membrane, 25 mm Voice Coil
Angle of Coverage:	90° x 90°
Sensitivity 1W 1 meter:	93 dB
Max SPL:	110 dB
Frequency Response:	60 Hz - 20 Khz ± 3 dB
Crossover Frequency:	3000 Hz
Crossover:	12 dB
Enclosure Material:	UV Stabilised ABS
Brackets Material:	Aluminium
Grille Material:	Aluminium
Dimensions WxHxD:	195 mm x 335 mm x 214 mm
Net Weight:	4.35 kg
Shipping Dimensions WxHxD:	247 mm x 377 mm x 287 mm

Qtech

Q-Tech Commercial Series

quest engineering ®

MS 801 OUTDOOR WALL MOUNT SPEAKER

The MS Series all-weather loudspeakers are the ideal choice for supplying high fidelity sound for discreet indoor and outdoor applications. Their advanced polymer housing is designed to be acoustically inert and withstand harsh outdoor and maritime environments.

Mounting hardware and grilles are aluminum to drastically reduce corrosion. The vented cabinet design and high-compliance woofers generate realistic bass response in open air applications and the highefficiency soft dome tweeters yield extended high-frequency response.

Whether low impedance or 70/100 volt line installation, custom designed drivers and matching passive circuitry enables MS series indoor/outdoor loudspeakers to provide levels of vocal clarity and bass performance that substantially exceed their physical size.

Finishing Available in black or paint-able white finishes to match any décor inside or out

High Intelligibility Titanium Dome Tweeter which delivers exceptional intelligibility

Bass Driver High excursion bass driver delivers high efficiency and extraordinary bass response in a modest cabinet size

Multi-tap Transformer Combination 8Ω/70/100 volt line capability with multiple power tappings

Casing Outdoor friendly UV stabilised plastic casing, sculpted front baffle and rounded enclosure minimize diffraction for more open and life-like imaging. Rustproof aluminium grille with 65% open area

Cross-over Substantial phase adjusted cross-over network with ceramic HF Protection

Hardware All aluminium alloy hardware for years of rustproof reliability. Brackets allows multiple mounting options and full 90 degree rotation while retaining access to back panel for easy installation wiring

Peak Power:	240 W
Power Handling:	100 W
Type:	Bass Reflex
Impedance Nominal:	8Ω
Transformer Tappings:	60W / 40W / 35W /20W + 8Ω Direct
Components LF:	8" Mica and PP Cone, Rubber Surround, 35mm Voice Coil
Components HF:	Dome Tweeter, Silk Membrane, 25mm Voice Coil
Angle of Coverage:	90° x 90°
Sensitivity 1W 1 metre:	95 dB
Max SPL:	114 dB
Frequency Response:	55Hz-20Khz ±4 dB
Crossover Frequency:	3000 Hz
Crossover:	12 dB
Enclosure Material:	UV Stabilised ABS
Brackets Material:	Aluminium
Grille Material:	Aluminium
Dimensions WxHxD:	259 x 445 x 290mm
Net Weight:	5.75kg
Shipping Dimensions WxHxD:	320 x 497 x 360mm

Qtech

Q-Tech Commercial Series

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