



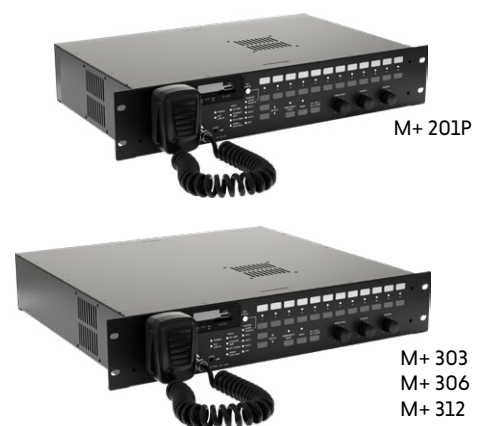
The Mplus Series was developed with a clear objective; a Public Address System that was reliable and easy to use. A single box solution suitable for virtually any small-to-large scale Public Address system application.

Below we have a few key points why everything build into a single unit saves time and money.

1. Complexity: Having multiple products requires multiple connections, which result in a complex setup and multiple points of failure due to human errors.
2. Increased Cost: Buying multiple products is more expensive than purchasing a single all-in-one solution.
3. Compatibility Issues: The products chosen for the system may not work seamlessly together, leading to compatibility issues that result in a system that does not work.
4. In the M+ everything is integrated into a single unit, eliminating all the above problems, resulting in a more streamlined, efficient, and user-friendly solution.

The Mplus is also extremely light and compact. Technology has allowed AEX System to keep the Mplus extremely compact through advancements in miniaturization, integration of multiple components, and development of software with greater functionality replacing a lot of bulky hardware. This has lead to a smaller product with more capabilities.

The Mplus is based on AEX System's inhouse Class D Power amplifier which are efficient and have a lower operating cost and carbon footprint. There are number of advantage from AEX System Class D amplifier. [Learn more →](#)



<p>The PA System utilizes eco-friendly high efficiency Class D amplifiers that significantly reduce energy waste and carbon footprint.</p>	<p>Advanced amplifier technology enables extremely low standby power consumption compared to conventional amplifiers, further minimizing electricity usage.</p>	<p>Compact size achieved by the high-efficiency design reduces materials and space required, lowering cost and footprint.</p>	<p>Overall, the innovative PA System delivers top performance while committing to environmental sustainability.</p>

<p>The M+ Series Integrated PA system unit has a built-in power amplifier for easy deployment. It provides 12-zone coverage expandable to 96 zones with the LS 12M+ Zone Expander and additional digital power amplifiers.</p>	<p>The M+ Series integrates with the MEI 96M+ Automatic Evacuation Interface, enabling automated evacuation messaging.</p>	<p>The M+ unit has built-in amplifier monitoring and changeover to an external standby amplifier if needed. It also includes an integrated siren and emergency microphone to meet fire regulation codes.</p>

**M+ 201P**

- All-in-one integrated PA system controller
- For use with external power amplifiers
- 12 zone outputs, expandable to 96 zones
- Media player: USB, SD, FM, Bluetooth
- Configurable via app: scheduled messages, paging, music
- Supports up to 8 remote mics
- Fire alarm interface triggers warning and evacuation messages
- Built-in siren tones
- Energy efficient design
- Highly scalable solution for medium to large installations

**M+ 303 / M+ 306 / M+ 312**

- All-in-one integrated PA system compliant with fire codes
- Built-in digital amplifier: 360W, 600W, or 1200W models
- Automatic changeover to standby amplifier
- 12 zone outputs, expandable to 96 zones
- Media player: USB, SD, FM, Bluetooth
- Configurable via app: scheduled messages, paging, music
- Supports up to 8 remote mics
- Fire alarm interface triggers warning and evacuation messages
- Built-in siren tones
- High efficiency Class D amplifier
- Low standby power consumption

## Technical Specification

<b>M+ 201P</b>	
<b>Power Requirement</b>	24Vdc, 0.6A
<b>Operating Temperature</b>	5 °C to +45 °C
<b>Material &amp; Finish</b>	Mild Steel Casing, Epoxy Coated Textured Black
<b>Dimension</b>	483 x 86 x 250 mm (W x H x D)
<b>Weight</b>	7.2 kg
<b>M+ 200-DM Digital Media Player</b>	
<b>Audio Sources</b>	USB Player (MP3 format) TF Card (MP3 format) FM Tuner AEX Bluetooth Function with: - Timer Scheduled messages - Wireless App Paging - Remote Message triggering - Timer Scheduled Music
<b>AUX Audio Inputs (c/w Selector switch)</b>	AUX 1: 0dB Stereo AUX 2: 0dB Stereo AUX 3: 0dB Stereo
<b>M+ 202-FA Fire Alarm Interface Module</b>	
<b>Fire Alarm Interface Inputs</b>	2 nos Dry Contact: Warning Message (MP3 format), Evacuation Message (MP3 format)
<b>M+ 100-PT Time Schedule Message Player</b>	
<b>Configuration method</b>	USB port with GUI Engineering Tool
<b>Time Schedule Slots</b>	100 time schedule slots. Repeatable and one-time event
<b>Time Schedule Data Storage</b>	High speed non-volatile EEPROM
<b>Schedule Message Player</b>	Internal MP3 Player
<b>MP3 Message storage</b>	Onboard 16GB SD card
<b>Audio Output</b>	0dB Balanced Audio
<b>M+ 208-RM Remote Microphone Receiver Module</b>	
<b>Remote Mic Comm Port</b>	RS 485 Serial Communication
<b>Remote Mic Audio Input</b>	0dB Balanced Audio
<b>External Zone Control</b>	RS 485 Communication
<b>M+ 01-EP Emergency Paging Microphone Panel</b>	
<b>Microphone</b>	Dynamic Microphone (Unidirectional)
<b>Frequency Response</b>	280 Hz ~ 9 kHz
<b>Output Impedance</b>	600 Ω unbalanced
<b>Output Level</b>	-72 dB +/- 3 dB (at 1 kHz)
<b>Mic Activation</b>	Press to talk
<b>Siren</b>	Continuous On trigger
<b>Messages</b>	Preloaded : Warning Message (MP3), Evacuation Message (MP3)
<b>M+ LS12 Zone Expander</b>	
<b>Load handling per Channel</b>	500W 100Vline
<b>Output Zone</b>	12 Zones
<b>Zone Selection</b>	Front Mechanical Push Button R-Comm RS485 from Remote paging console

## Technical Specification

<b>M+ 303</b>	
<b>Power Requirement</b>	AC Mains 115-240Vac UPS Backup : 391VA
<b>Operating Temperature</b>	5 °C to +45 °C
<b>Material &amp; Finish</b>	Mild Steel Casing, Epoxy Coated Textured Black
<b>Dimension</b>	483 x 86 x 400 mm (W x H x D)
<b>Weight</b>	8.1 kg
<b>M+ 200-DM Digital Media Player</b>	
<b>Audio Sources</b>	USB Player (MP3 format) TF Card (MP3 format) FM Tuner AEX Bluetooth Function with: - Timer Scheduled messages - Wireless App Paging - Remote Message triggering - Timer Scheduled Music
<b>AUX Audio Inputs (c/w Selector switch)</b>	AUX 1: 0dB Stereo AUX 2: 0dB Stereo AUX 3: 0dB Stereo
<b>M+ 202-FA Fire Alarm Interface Module</b>	
<b>Fire Alarm Interface Inputs</b>	2 nos Dry Contact: Warning Message (MP3 format), Evacuation Message (MP3 format)
<b>M+ 100-PT Time Schedule Message Player</b>	
<b>Configuration method</b>	USB port with GUI Engineering Tool
<b>Time Schedule Slots</b>	100 time schedule slots. Repeatable and one-time event
<b>Time Schedule Data Storage</b>	High speed non-volatile EEPROM
<b>Schedule Message Player</b>	Internal MP3 Player
<b>MP3 Message storage</b>	Onboard 16GB SD card
<b>Audio Output</b>	0dB Balanced Audio
<b>M+ 208-RM Remote Microphone Receiver Module</b>	
<b>Remote Mic Comm Port</b>	RS 485 Serial Communication
<b>Remote Mic Audio Input</b>	0dB Balanced Audio
<b>External Zone Control</b>	RS 485 Communication
<b>M+ 01-EP Emergency Paging Microphone Panel</b>	
<b>Microphone</b>	Dynamic Microphone (Unidirectional)
<b>Frequency Response</b>	280 Hz ~ 9 kHz
<b>Output Impedance</b>	600 Ω unbalanced
<b>Output Level</b>	-72 dB +/- 3 dB (at 1 kHz)
<b>Mic Activation</b>	Press to talk
<b>Siren</b>	Continuous On trigger
<b>Messages</b>	Preloaded : Warning Message (MP3), Evacuation Message (MP3)
<b>M+ 1030-PD 360W Digital Power Amplifier</b>	
<b>Power Amplification</b>	360W (100V line) Class-D power amplifier
<b>Rated Load Impedance</b>	27.7 Ω
<b>Frequency Response</b>	20Hz-20kHz
<b>Signal to Noise Ratio</b>	>105dB
<b>THD + Noise</b>	< 1% (rated power output)
<b>Power Efficiency</b>	>92%
<b>Standby Power Consumption</b>	1.2W
<b>M+ AC01 Automatic Amplifier Monitoring and Changeover</b>	
<b>Max Power Handling Per Channel</b>	360W
<b>Number of Amplifier channels</b>	2 Channels (1 Duty, 1 Standby)
<b>Changeover Mechanism</b>	Fast switching dry contact relay
<b>M+ LS12 Zone Expander</b>	
<b>Load handling per Channel</b>	500W 100Vline
<b>Output Zone</b>	12 Zones
<b>Zone Selection</b>	Front Mechanical Push Button R-Comm RS485 from Remote paging console

## Technical Specification

	<b>M+ 306</b>
<b>Power Requirement</b>	AC Mains 115-240Vac UPS Backup : 652VA
<b>Operating Temperature</b>	5 °C to +45 °C
<b>Material &amp; Finish</b>	Mild Steel Casing, Epoxy Coated Textured Black
<b>Dimension</b>	483 x 86 x 400 mm (W x H x D)
<b>Weight</b>	8.1 kg
<b>M+ 200-DM Digital Media Player</b>	
<b>Audio Sources</b>	USB Player (MP3 format) TF Card (MP3 format) FM Tuner AEX Bluetooth Function with: - Timer Scheduled messages - Wireless App Paging - Remote Message triggering - Timer Scheduled Music
<b>AUX Audio Inputs (c/w Selector switch)</b>	AUX 1: 0dB Stereo AUX 2: 0dB Stereo AUX 3: 0dB Stereo
<b>M+ 202-FA Fire Alarm Interface Module</b>	
<b>Fire Alarm Interface Inputs</b>	2 nos Dry Contact: Warning Message (MP3 format), Evacuation Message (MP3 format)
<b>M+ 100-PT Time Schedule Message Player</b>	
<b>Configuration method</b>	USB port with GUI Engineering Tool
<b>Time Schedule Slots</b>	100 time schedule slots. Repeatable and one-time event
<b>Time Schedule Data Storage</b>	High speed non-volatile EEPROM
<b>Schedule Message Player</b>	Internal MP3 Player
<b>MP3 Message storage</b>	Onboard 16GB SD card
<b>Audio Output</b>	0dB Balanced Audio
<b>M+ 208-RM Remote Microphone Receiver Module</b>	
<b>Remote Mic Comm Port</b>	RS 485 Serial Communication
<b>Remote Mic Audio Input</b>	0dB Balanced Audio
<b>External Zone Control</b>	RS 485 Communication
<b>M+ 01-EP Emergency Paging Microphone Panel</b>	
<b>Microphone</b>	Dynamic Microphone (Unidirectional)
<b>Frequency Response</b>	280 Hz ~ 9 kHz
<b>Output Impedance</b>	600 Ω unbalanced
<b>Output Level</b>	-72 dB +/- 3 dB (at 1 kHz)
<b>Mic Activation</b>	Press to talk
<b>Siren</b>	Continuous On trigger
<b>Messages</b>	Preloaded : Warning Message (MP3), Evacuation Message (MP3)
<b>M+ 1060-PD 600W Digital Power Amplifier</b>	
<b>Power Amplification</b>	600W (100V line) Class-D power amplifier
<b>Rated Load Impedance</b>	16.6 Ω
<b>Frequency Response</b>	20Hz-20kHz
<b>Signal to Noise Ratio</b>	>105dB
<b>THD + Noise</b>	< 1% (rated power output)
<b>Power Efficiency</b>	>92%
<b>Standby Power Consumption</b>	1.2W
<b>M+ AC01 Automatic Amplifier Monitoring and Changeover</b>	
<b>Max Power Handling Per Channel</b>	600W
<b>Number of Amplifier channels</b>	2 Channels (1 Duty, 1 Standby)
<b>Changeover Mechanism</b>	Fast switching dry contact relay
<b>M+ LS12 Zone Expander</b>	
<b>Load handling per Channel</b>	500W 100Vline
<b>Output Zone</b>	12 Zones
<b>Zone Selection</b>	Front Mechanical Push Button R-Comm RS485 from Remote paging console

## Technical Specification

	<b>M+ 312</b>
<b>Power Requirement</b>	AC Mains 115-240Vac UPS Backup : 1304VA
<b>Operating Temperature</b>	5 °C to +45 °C
<b>Material &amp; Finish</b>	Mild Steel Casing, Epoxy Coated Textured Black
<b>Dimension</b>	483 x 86 x 400 mm (W x H x D)
<b>Weight</b>	8.1 kg
<b>M+ 200-DM Digital Media Player</b>	
<b>Audio Sources</b>	USB Player (MP3 format) TF Card (MP3 format) FM Tuner AEX Bluetooth Function with: - Timer Scheduled messages - Wireless App Paging - Remote Message triggering - Timer Scheduled Music
<b>AUX Audio Inputs (c/w Selector switch)</b>	AUX 1: 0dB Stereo AUX 2: 0dB Stereo AUX 3: 0dB Stereo
<b>M+ 202-FA Fire Alarm Interface Module</b>	
<b>Fire Alarm Interface Inputs</b>	2 nos Dry Contact: Warning Message (MP3 format), Evacuation Message (MP3 format)
<b>M+ 100-PT Time Schedule Message Player</b>	
<b>Configuration method</b>	USB port with GUI Engineering Tool
<b>Time Schedule Slots</b>	100 time schedule slots. Repeatable and one-time event
<b>Time Schedule Data Storage</b>	High speed non-volatile EEPROM
<b>Schedule Message Player</b>	Internal MP3 Player
<b>MP3 Message storage</b>	Onboard 16GB SD card
<b>Audio Output</b>	0dB Balanced Audio
<b>M+ 208-RM Remote Microphone Receiver Module</b>	
<b>Remote Mic Comm Port</b>	RS 485 Serial Communication
<b>Remote Mic Audio Input</b>	0dB Balanced Audio
<b>External Zone Control</b>	RS 485 Communication
<b>M+ 01-EP Emergency Paging Microphone Panel</b>	
<b>Microphone</b>	Dynamic Microphone (Unidirectional)
<b>Frequency Response</b>	280 Hz ~ 9 kHz
<b>Output Impedance</b>	600 Ω unbalanced
<b>Output Level</b>	-72 dB +/- 3 dB (at 1 kHz)
<b>Mic Activation</b>	Press to talk
<b>Siren</b>	Continuous On trigger
<b>Messages</b>	Preloaded : Warning Message (MP3), Evacuation Message (MP3)
<b>M+ 1120-PD 1200W Digital Power Amplifier</b>	
<b>Power Amplification</b>	1200W (100V line) Class-D power amplifier
<b>Rated Load Impedance</b>	8.3 Ω
<b>Frequency Response</b>	20Hz-20kHz
<b>Signal to Noise Ratio</b>	>105dB
<b>THD + Noise</b>	< 1% (rated power output)
<b>Power Efficiency</b>	>92%
<b>Standby Power Consumption</b>	1.2W
<b>M+ AC01 Automatic Amplifier Monitoring and Changeover</b>	
<b>Max Power Handling Per Channel</b>	1200W
<b>Number of Amplifier channels</b>	2 Channels (1 Duty, 1 Standby)
<b>Changeover Mechanism</b>	Fast switching dry contact relay
<b>M+ LS12 Zone Expander</b>	
<b>Load handling per Channel</b>	500W 100Vline
<b>Output Zone</b>	12 Zones
<b>Zone Selection</b>	Front Mechanical Push Button R-Comm RS485 from Remote paging console