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SMARTMAN
Intelligent All-In-One Audio Systems

With Infinite Expansion Capabilities

SMARTMAN 303A
200 Watt 8" Intelligent All-In-One Audio System

SMARTMAN 503A
320 Watt 10" Intelligent All-In-One Audio System

SMARTMAN 703A
1100 Watt 12" Intelligent All-In-One Audio System

SMARTMAN 700D
1100 Watt 12" Active Expansion Speaker w/Delay

SMARTMAN 708A
1100 Watt 12" Intelligent All-In-One Audio System

SMARTMAN 300A
200 Watt 8" Active Expansion Speaker

SMARTMAN 500A
320 Watt 10" Active Expansion Speaker

SMARTMAN 700A
1100 Watt 12" Active Expansion Speaker

Features

▸ All-in-one system incorporates digital mixer, active loudspeaker, two UHF microphones (optional) and flexible Windows software for remote operation through RJ-45 connector (using an RS-485 protocol)

▸ 11 channel digital mixer including microphone combo (XLR/¼") input, stereo line inputs and stereo RCA inputs in addition to Bluetooth and USB inputs and the UHF wireless microphone option (Smartman 303A, 503A and 703A)

▸ 14 channel digital mixer on the Smartman 708A, including combo, stereo line inputs and stereo RCA inputs (and more)

▸ Digital mixer includes level adjustment, flexible compressor/limiter, channel EQs, main GEQ, high pass filters, low pass filters and delay

▸ Digital effect processor with reverb, tap delay, echo and chorus effects, each with user-adjustable parameters

▸ Infinite expansion through Smartman expansion speakers (300A, 500A, 700A, 700D)

▸ Flexible signal processing controlled through Windows software or WiFi

▸ XLR and ¼" Link outputs with user-selectable stereo/mono operation

▸ Wide frequency response for superior audio output

▸ Wireless UHF microphone systems (optional)

▸ Wireless Bluetooth audio streaming from smartdevices

▸ Up to 200 meters of delay can be added to any unit

Overview

The new Phonic Smartman is the smart choice in all-in-one audio systems. Smartman combines the convenience of active speakers - combining loudspeaker and amplifier technologies - with digital mixing and signal processing. Incorporated signal processors include 2-band EQ, Graphic EQ, limiter, high pass filter, low pass filter and digital effects - all of which can be controlled remotely through the Windows software or iPad remote app.

The Smartman comes in three main configurations: 8" (Smartman 303A), 10" (Smartman 503A) and 12" (Smartman 708A). Smartman 303A features a 1" tweeter while the Smartman 503A and 708A both offer a 1¾" tweeter. In all cases, woofers and tweeters are matched for the perfect marriage of highs and lows regardless of the musical source.

Smartman 303A, Smartman 503A, Smartman 703A and Smartman 708A all come complete with extensive digital mixing. This includes level mixing for all input mixes as well as a good number of useful signal processors. Input channels all feature their own parametric EQ while the main output has a flexible graphic EQ.

Smartman 700D includes a variable delay circuitry that allows for up to 600 ms of delay (for up to 200m of compensation). This plays into the Smartman's Infinite Expansion feature that allows any number of speakers to be chained together for flawless operation.
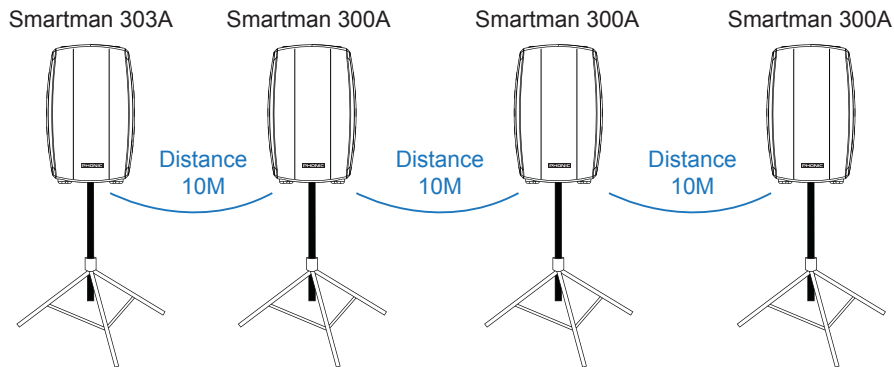
A carefully crafted polymer enclosure with stunning curves not only looks great, but also improves durability when on the road. The tour-grade grille protects drivers from damage while maintaining clarity.
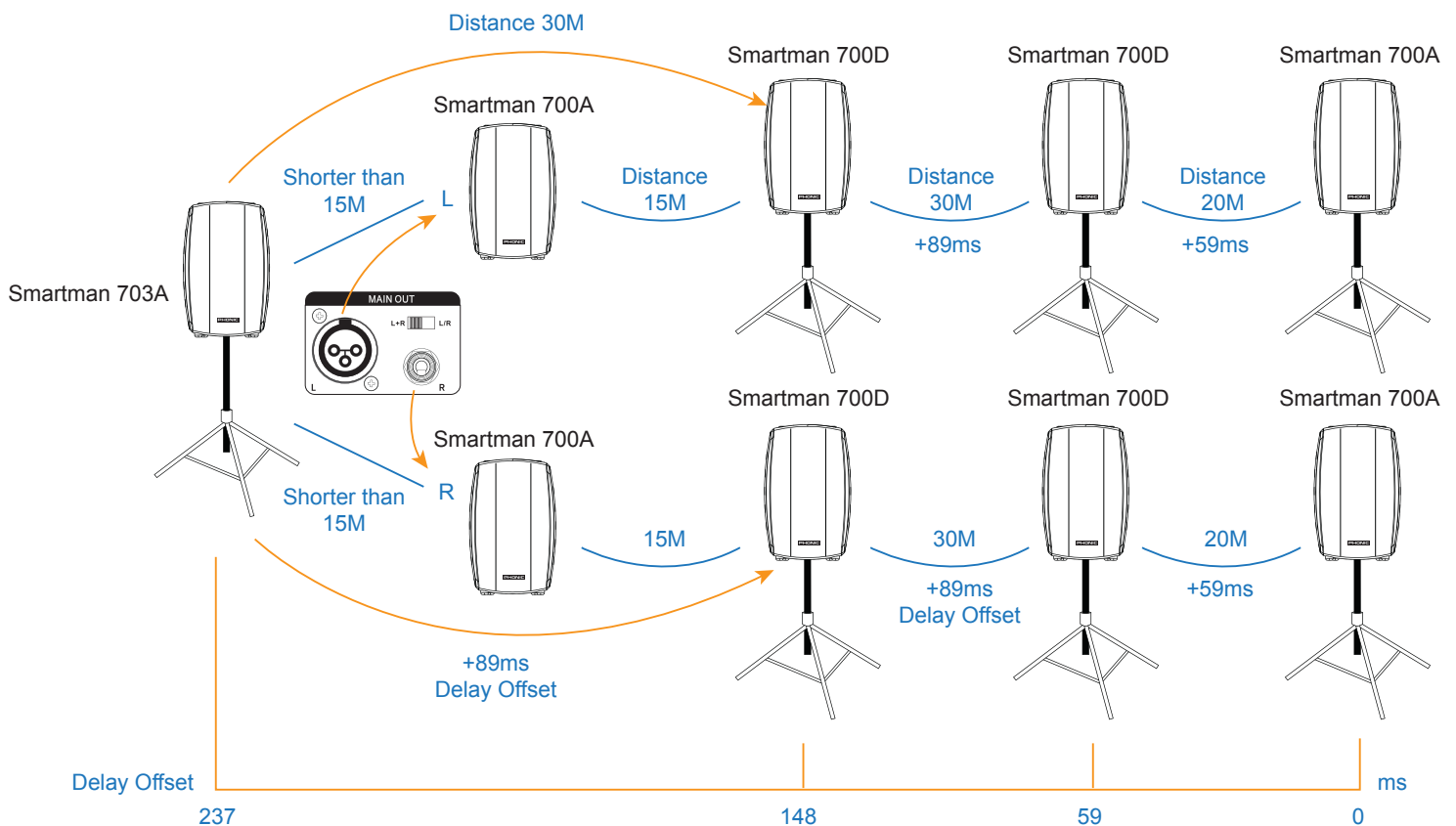
Remote Operation

The Smartman 303A, 503A, 703A and 708A include an RJ-45 port for extended remote operation through an RS-485 protocol. Connect the Smartman loudspeaker to a router or directly to your computer to control the speaker through Phonic's own Smartman Windows control software. The remote operation function brings a whole new level of flexibility to loudspeakers that are already built to remarkable standards.

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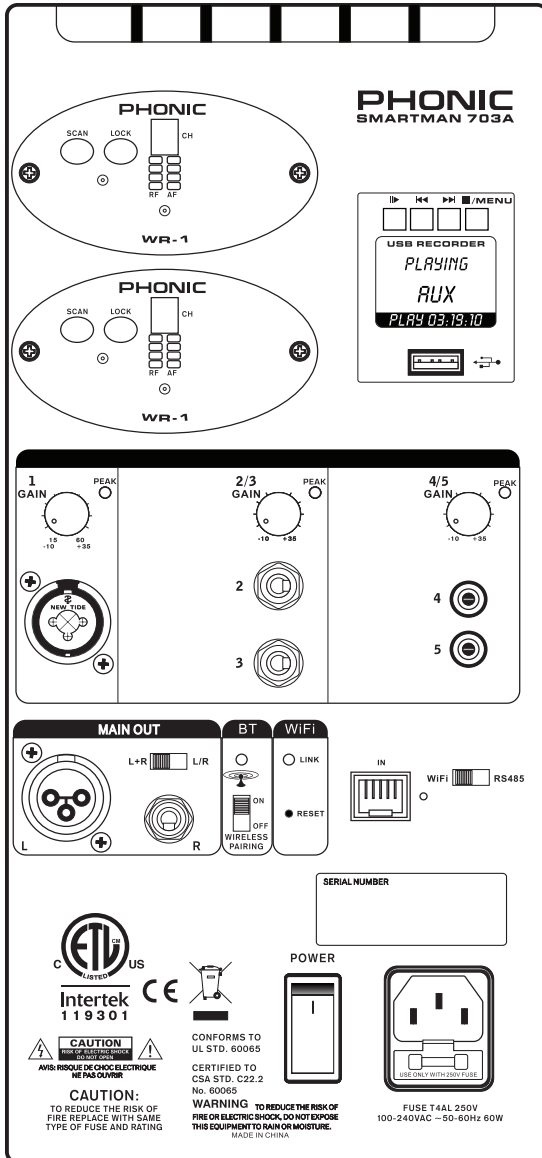WWW.PHONIC.COM

Setup Example

Small Venue (Not Exceeding 30m) Mono System

Smartman 303A   Smartman 300A   Smartman 300A   Smartman 300A

Distance 10M   Distance 10M   Distance 10M

Larger Venue (Exceeding 30m) Stereo System

Distance 30M

Smartman 700A   Smartman 700D   Smartman 700D   Smartman 700A

Shorter than 15M   L

Distance 15M   Distance 30M   Distance 20M

+89ms   +59ms

MAIN OUT   L+R   L/R

Smartman 703A

L   R

Shorter than 15M   R

Smartman 700A   Smartman 700D   Smartman 700D   Smartman 700A

15M   30M   20M

+89ms Delay Offset   +59ms

+89ms Delay Offset

Delay Offset				ms
237		148	59	0

Rear Panels

Smartman 703A Rear Panel (Smartman 303A and Smartman 503A may differ slightly)
(WR-1 UHF Wireless Systems not included as standard)
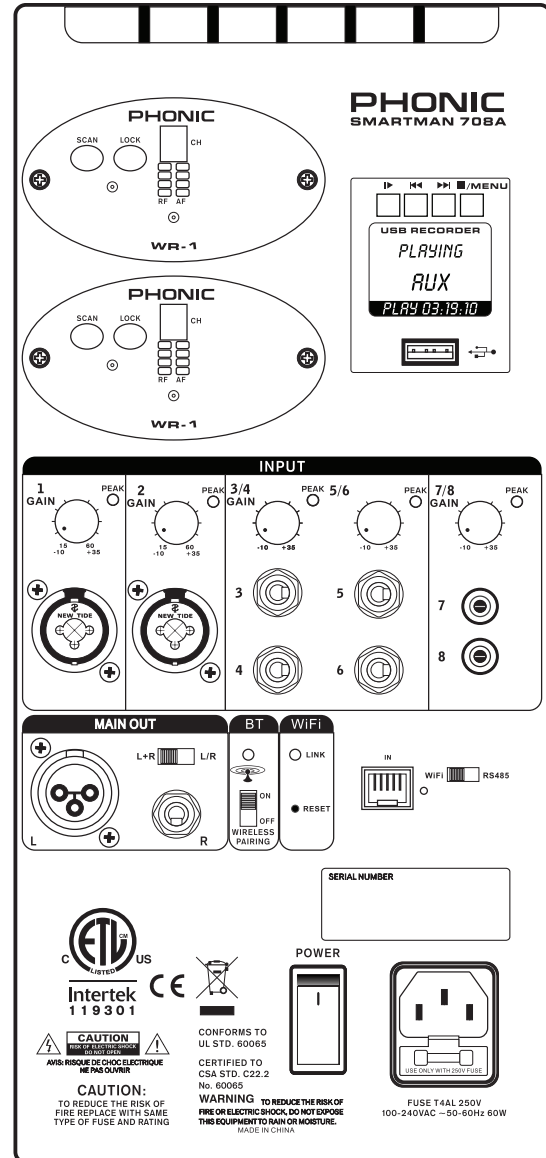
Smartman 708A Rear Panel
(WR-1 UHF Wireless Systems not included as standard)

Sold Separately

WM-1S wireless handheld microphone system, WL-1S wireless lavalier microphone system and WH-1S wireless headset microphone system all sold separately.

WR-1 wireless receivers can be purchased separately, as can the Phonic WM-1 handheld wireless microphone, WL-1 bodypack transmitter and lavalier microphone, or WH-1 bodypack transmitter and headset microphone.

Also available: Smartman 300A, Smartman 500A, Smartman 700A expansion speakers. Smartman 700D delay-enabled loudspeakers enabling **Infinite Expansion** are also available.

Application

Utilize the Smartman Intelligent Audio Systems in your next corporate conference, school assembly or college lecture. Multiple microphones can be utilized at any one time ensuring there are plenty to go around. Musical sources can also be integrated into your setup by way of Bluetooth streaming or USB flash-drives providing flexibility in operation. Control all of these inputs through the remote software to ensure smooth, professional performance.

	SMARTMAN 303A	SMARTMAN 503A	SMARTMAN 703A	SMARTMAN 708A
Amplifier Technology	Class D	Class D	Class D (Low Frequency) Class AB (High Frequency)	Class D (Low Frequency) Class AB (High Frequency)
Power Output	200 Watt Peak 100 Watt Continuous	320 Watt Peak 160 Watt Continuous	1100 Watt Peak 550 Watt Continuous	1100 Watt Peak 550 Watt Continuous
Woofer	8"	10"	12"	12"
Tweeter	1"	1¾"	1¾"	1¾"
Frequency Response	50 Hz to 18 kHz	50 Hz to 18 kHz	48 Hz to 20 kHz	48 Hz to 20 kHz
Inputs	1 x Combo (XLR/¼") 2 x ¼" TRS 2 x RCA	1 x Combo (XLR/¼") 2 x ¼" TRS 2 x RCA	1 x Combo (XLR/¼") 2 x ¼" TRS 2 x RCA	2 x Combo (XLR/¼") 4 x ¼" TRS 2 x RCA
Output	XLR, ¼" (selectable)	XLR, ¼" (selectable)	XLR, ¼" (selectable)	XLR, ¼" (selectable)
Remote Operation	WiFi / RJ-45 (RS-485)	WiFi / RJ-45 (RS-485)	WiFi / RJ-45 (RS-485)	WiFi / RJ-45 (RS-485)
USB Playback / Recording	Yes	Yes	Yes	Yes
Bluetooth	Yes	Yes	Yes	Yes
Signal Processors	Compressor, Limiter, Delay, Channel EQ, 7-band GEQ	Compressor, Limiter, Delay, Channel EQ, 7-band GEQ	Compressor, Limiter, Delay, Channel EQ, 7-band GEQ	Compressor, Limiter, Delay, Channel EQ, 7-band GEQ
Digital EFX	Reverb, Delay, Chorus	Reverb, Delay, Chorus	Reverb, Delay, Chorus	Reverb, Delay, Chorus
Wireless Microphone	Autoscan UHF (optional)	Autoscan UHF (optional)	Autoscan UHF (optional)	Autoscan UHF (optional)
Wireless Microphone Frequency	500 - 875 MHz (region dependent)	500 - 875 MHz (region dependent)	500 - 875 MHz (region dependent)	500 - 875 MHz (region dependent)
Indicators	Link On, Limit, Wireless 1 & 2, Bluetooth, USB	Link On, Limit, Wireless 1 & 2, Bluetooth, USB	Link On, Limit, Wireless 1 & 2, Bluetooth, USB	Link On, Limit, Wireless 1 & 2, Bluetooth, USB
Body Material	Polymer	Polymer	Polymer	Polymer
Handle	Top	Top	3 PU Handles	3 PU Handles
Dimensions (HxWxD)	418 x 292 x 252 mm (16.5'' x 11.5'' x 9.9'')	553 x 350 x 333 mm (21.8" x 13.8" x 13.1")	635 x 375 x 372.5 mm (25" x 14.8" x 14.7")	635 x 375 x 372.5 mm (25" x 14.8" x 14.7")
Net Weight	9.5 kg (21 lbs)	16 kg (35 lbs)	19 kg (41.9 lbs)	19 kg (41.9 lbs)

	SMARTMAN 300A	SMARTMAN 500A	SMARTMAN 700A	SMARTMAN 700D
Amplifier Technology	Class D	Class D	Class D (Low Frequency) Class AB (High Frequency)	Class D (Low Frequency) Class AB (High Frequency)
Power Output	200 Watt Peak 100 Watt Continuous	320 Watt Peak 160 Watt Continuous	1100 Watt Peak 550 Watt Continuous	1100 Watt Peak 550 Watt Continuous
Woofer	8"	10"	12"	12"
Tweeter	1"	1¾"	1¾"	1¾"
Frequency Response	50 Hz to 18 kHz	50 Hz to 18 kHz	48 Hz to 20 kHz	48 Hz to 20 kHz
Inputs	Combo (XLR/¼")	Combo (XLR/¼")	Combo (XLR/¼")	Combo (XLR/¼")
Output	XLR	XLR	XLR	XLR
Signal Processors	N/A	N/A	N/A	Adjustable Delay
Body Material	Polymer	Polymer	Polymer	Polymer
Handle	Top	Top	3 PU Handles	3 PU Handles
Dimensions (HxWxD)	418 x 292 x 252 mm (16.5'' x 11.5'' x 9.9'')	553 x 350 x 333 mm (21.8" x 13.8" x 13.1")	635 x 375 x 372.5 mm (25" x 14.8" x 14.7")	635 x 375 x 372.5 mm (25" x 14.8" x 14.7")
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Information in this document is subject to change without notice.

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Smartman Series Data Sheet 05/26/2015

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