

# MUSICA MUSICA

Audio Distribution System



## MUSICA™ MU4602 Audio Distribution System

- Intuitive, interactive keypads
- Built-in FM Tuner keypads (optional)
- Amplified keypads
- IP network interface
- 4 global source inputs
- 6 to 18 rooms of audio
- Rich, 2-way RS-232 control
- Dual color backlight
- Superior audio performance

NetStreams'® *Musica* audio distribution system is designed to deliver superior audio performance and features interactive keypads that are very easy to operate/use. The advanced design of the *Musica* 4602 places digital amplifiers in each room, behind each keypad, rather than in one central location. This improves sound quality by reducing noise, distortion and power losses as well as increasing reliability and simplifying the installation. Optional FM tuner keypads allow every room an independent selection of radio stations. The system's *Audio Ports* are highly flexible allowing the output of the distributed audio to be coupled with a powered subwoofer or external amplifier, if so desired, as well as the input of a "local source" such as a TV monitor or cable box. The *Musica* system will handle one local source per keypad/amplifier. *Musica* is capable of playing up to four different sources independently; distributing the sources to as many as 6 rooms per *Audio Distribution Center (ADC)*. With additional ADC's the system can expand to 18 rooms of audio.

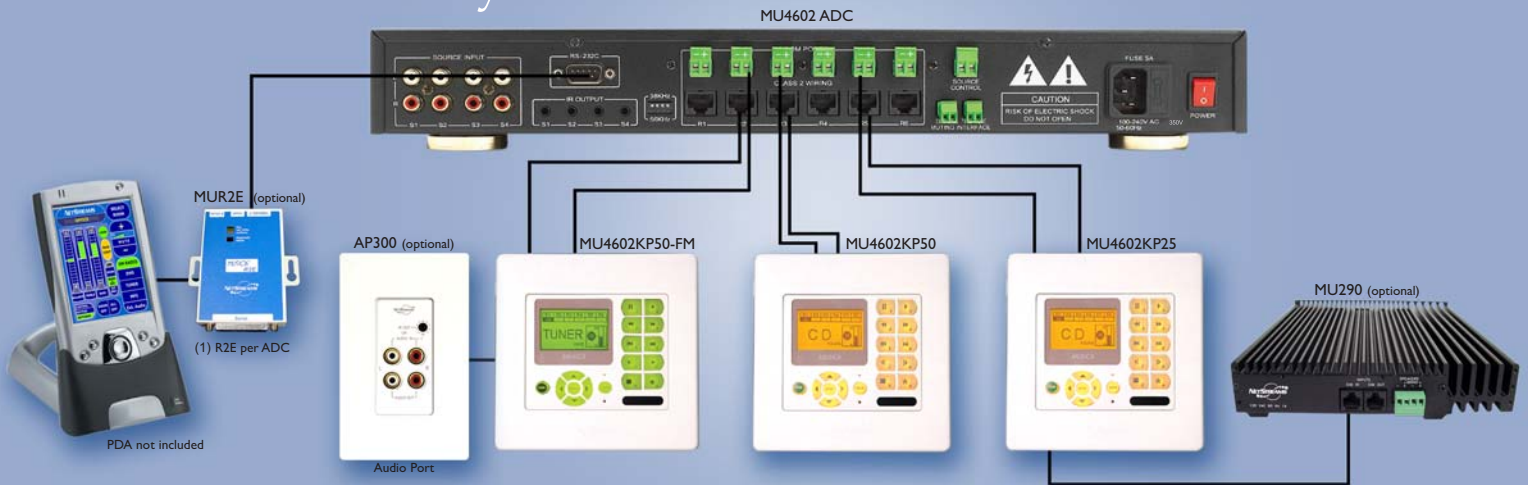
- 25 and 50 watts/channel digital amplifier keypad options
- Built-in FM Tuner in select keypads
- Large soft buttons
- Wide Screen LCD
- Control *Musica* from any web browser\*

\* This application requires a NetStreams R2E device



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Advanced 2-way RS-232 integration makes *Musica* compatible with all popular control systems. Create your own custom interface like the R2E's web interface.

### SPECIFICATIONS

#### Audio Distribution Center (ADC) Specifications

Source Inputs .....(4), stereo paired  
Connectors .....RCA Jacks  
Input Level .....150mV  
Input Impedance .....47K ohms  
Source Outputs .....6 pairs, stereo  
Connector 1 (Data) .....(6) RJ-45 connectors,  
4-pair each (EIM); EIA/TIA 568a  
Output Level .....2.0Vrms  
Connector 2 (Power) .....(6) Phoenix type connectors,  
1 pair each  
Output Power (for keypad) .....28V DC  
IR Output Connectors .....3.5mm phone plugs  
Microprocessor .....Advanced RISC Microprocessor  
Input Power .....110V AC -60Hz, 220V AC - 50/60Hz  
Power Consumption .....200W  
Dimension (WxHxD) .....6.95" x 9.04" x 2.28"  
(173mm x 57mm x 226mm)

#### Audio Port Specifications

Source .....(2) RCA type connectors  
.....(left/right) and (1) 3.5mm phone jack  
Preamp Output .....(2) RCA type connectors (left/right)  
Data Jack .....(1) RJ-45 connector (EIM); EIA/TIA 568a  
In/out Level 2.0Vrms

#### Keypad Specifications

Output Power .. .25-50 watts RMS/channel @ 4 ohms  
with both channels driven, 36  
watts RMS/channel @ 8 ohms  
20-20KHz +/- 3dB  
Load Impedance .....8, 6, or 4 Ohms (user selectable)  
Signal to Noise .....>100dB  
(A-weighted ref: 1 Vrms, 1KHz)  
Distortion .....0.02% (power output: 1W @ 1 KHz)  
Channel Separation .....>90dB  
Dynamic Range .....95dB  
Level Control Volume .....-70 ~ 0dB  
Bass .....-14 ~ 14dB  
Treble .....-14 ~ 14dB  
MU4602KP50 .....50 watts  
MU4602KP25 .....25 watts  
MU4602KP50-FM .....includes FM Tuner  
In-Wall dimensions (WxHxD) .....3.5" x 2.875" x 2.5"  
(88mm x 72mm x 63mm)

#### SOPHISTICATED CONTROL

The *Musica* Audio Distribution System gives you complete control of all aspects of the sound in the room easily, right from the keypad. You can listen to different sources in each room at the same time. Built-in DSP allows local adjustment of bass, treble, balance, volume, and loudness for each room, individually.

#### SIMPLIFIED PROGRAMMING

The *NetStreams Musica* system saves programming time. Simply program the IR codes for each source into any keypad and they are automatically stored centrally in the *Musica* system. This eliminates the tedious task of programming each keypad with the same information over and over again.

#### INTELLIGENT MUTING

*Musica* can detect external signals like doorbells, intercom, and telephone rings. When these signals are detected, the *Musica* system temporarily enters into a mute mode automatically. *Musica* gracefully ramps the volume back to a low background level 30 seconds later automatically.

#### INTUITIVE, INTERACTIVE IN-WALL KEYPAD/AMPLIFIER

The mini-wide-screen LCD in the *Musica* keypad provides an intuitive window into the operation of the *Musica* system. The human interface has been designed with a "Look-and-Follow" window-style menu. The Professionally designed, simple-to-use menus provide the ability to control the sources and any functions for the current room or any other rooms in the system.

#### AUDIO PORT-*Unequaled Versatility*

The *Audio Port* makes it easy to play a local source, like a TV, game station, or MP3 player in the local room.

The *Audio Port's* output allows you to connect a powered subwoofer for a complete audio experience. You can also feed the output to a local home theater system for play back of any sources connected to the *Musica* system.

#### Excellence in Design

*NetStreams* is focused on providing high quality networked digital entertainment systems. By leveraging its patent pending technologies and applications. *NetStreams* is creating the future of home entertainment – today.