

## » DMS™ 2.1

Distributed Music System

### Distributed Music System

Pragmatic's DMS™ 2.1 allows you to give your customers an elegant distributed music system. It is very simple to operate, highly reliable and easy to install. The DMS™ 2.1 system delivers high-quality audio at an affordable price. This simple yet elegant system provides unequalled sound quality with a cable that runs to 3000 feet. It distributes audio signals to more than 32 listening areas using only a single category 5 wire. The cables can be home run into a patch bay or can be daisy-chained. DMS™ 2.1 finds applications in industrial and commercial installations including hotels, restaurants, sports bars, shopping malls, arcades, and theme parks.

The DMS™ 2.1 offers complete music distribution with paging solution on a cost-effective category 5 wire. The in-wall amplifiers with volume control are locally powered (can be centrally powered on an 18/2 AWG along with the category 5 for signal) and daisy chained from one in-wall amplifier to another. Maximum of 32 volume-controlled amplifiers can be daisy-chain connected on a single category 5 wire. Further expansion is possible with additional repeater unit.

The system transmitter comes in a compact rack-mount enclosure. It has a built-in multi-channel audio switcher that can be controlled by an infrared remote control or a RS232/RS485 connection and a TPA™ transmitter to connect to the category 5 wire. A basic remote receiver in a single junction box connects to the category 5 wire to power the speakers directly. These include the TPA™ receiver, a rotary volume control, and the MBA™ high-performance, high-efficiency 24 Watt mono-block amplifier. The audio signal-to-noise ratio is about 96 dB, and has 20 KHz of audio bandwidth and less than 0.1% distortion. The unit operates on a standard 12 V DC power supply and has an operating temperature range of -40 to 85 degrees Celsius, so it can operate in harsh environments.

The DMS™ 2.1 uses Pragmatic's proprietary SuperTranz™ circuit to eliminate any possibility of ground loops, AC voltage interference, noise pick-up, or hum introduction into the signal path. The DMS™ 2.1 works in category 5, category 3, and even unshielded telephone grade twisted pair wire. Despite using economical wires, DMS™ 2.1 is superior to traditional music distribution systems in performance and cost.



#### Feature & Benefits:

- Cable runs up to 3000 ft. per zone
- Expandable in 4 zone increments
- High quality audio/video
- High quality audio amplifier
- Affordable price
- Easy to operate
- Highly reliable
- Simple installation
- 4 zones out
- Incredible sound quality and video detail

#### Specifications:

Sources: 2

Zones: 32

Maximum distance: 3000'

Cable: one category 5 wire

Temperature Range: -40 to 85 degrees C

Chassis: Standard 2-rack unit

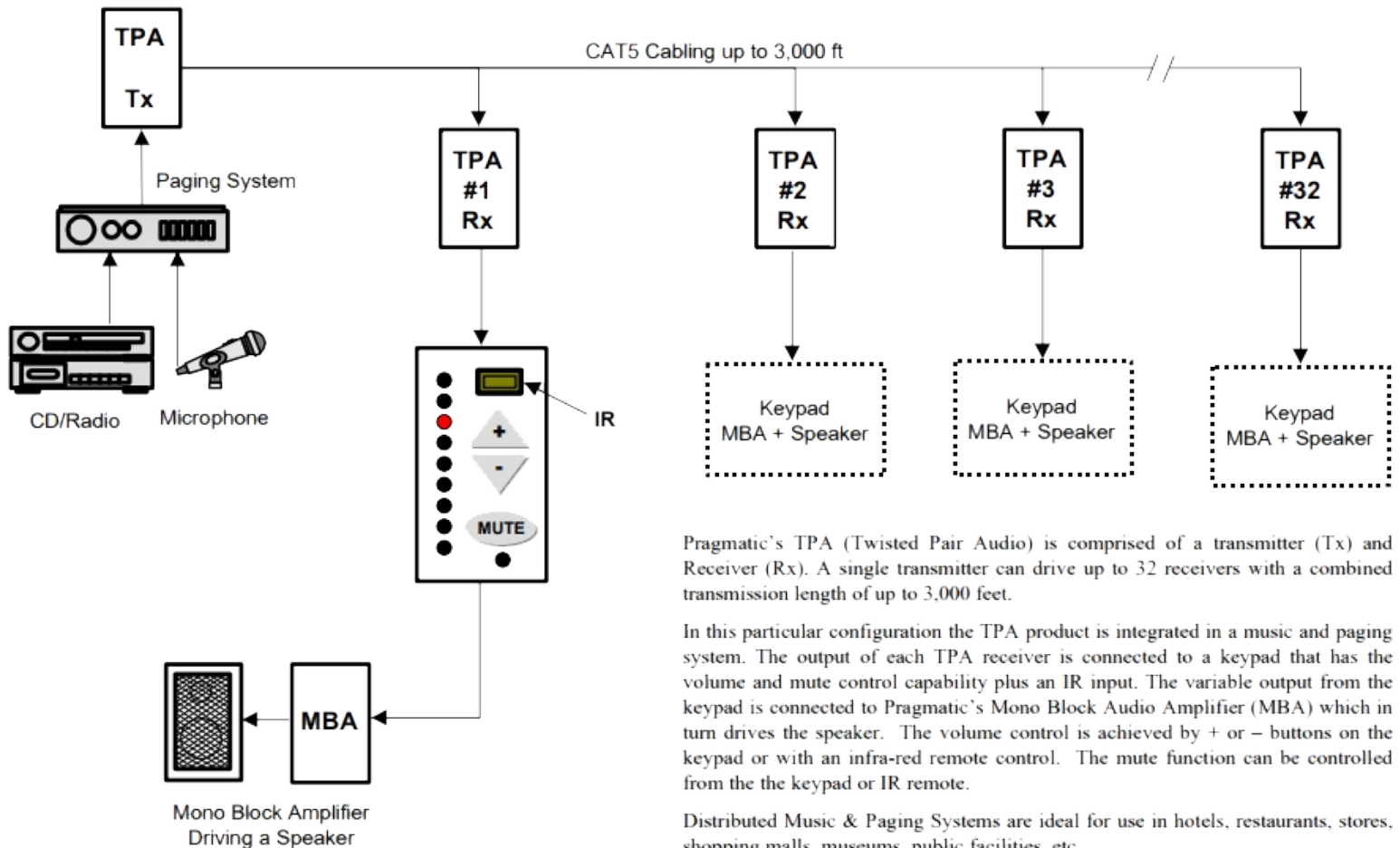
#### Applications:

- Multiple room audio system in residential markets
- Audio and Video supplied to rooms on category 5 cables
- In-wall amplification in up to 4 zones

\*US and International patents pending

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## Typical Application



Pragmatic's TPA (Twisted Pair Audio) is comprised of a transmitter (Tx) and Receiver (Rx). A single transmitter can drive up to 32 receivers with a combined transmission length of up to 3,000 feet.

In this particular configuration the TPA product is integrated in a music and paging system. The output of each TPA receiver is connected to a keypad that has the volume and mute control capability plus an IR input. The variable output from the keypad is connected to Pragmatic's Mono Block Audio Amplifier (MBA) which in turn drives the speaker. The volume control is achieved by + or - buttons on the keypad or with an infra-red remote control. The mute function can be controlled from the keypad or IR remote.

Distributed Music & Paging Systems are ideal for use in hotels, restaurants, stores, shopping malls, museums, public facilities, etc.

## Distributed Music and Paging System

\*US and International patents pending

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