DISTRIBUTED AUDIO

Precis DSP Fixed Matrix Switchers
(sophisticated switching of up to 18 sources to 18 zones) .......... 490 – 492
Tango Series Controllers
(8 sources amplified to 4 or 8 rooms/zones) ...................... 493 – 498
Tango Series Expanders
(offers ability to add up to 64 rooms/zones) ...................... 499 – 502
Tango Series Amplifiers
(add up to 6 or 12 speaker pairs) ................................. 503 – 506
Accessories .................................................................. 507 – 509
THE BEST-LOOKING SOUND ON THE MARKET
Stand Alone and Fully Integrated Audio Solutions

AMX has a broad range of products to provide quality sound and flexible control throughout a home or office. This includes multizone solutions designed for new construction or retrofit. In retrofit projects - Speaker Wire Technology allows customers to upgrade from control of just volume, to full control at a very low cost. This innovative solution uses existing installed speaker wire for transport, source selection and more - via a keypad or remote control.

Distributed audio solutions can be integrated into broader AMX controlled installations or they can stand by themselves. The product line includes audio controllers, amplifiers, AM/FM/Satellite tuners, zone expanders, wall and ceiling speakers, remote controls, keypads, LCD touch pads, and more.

SYSTEM DIAGRAM
The Tango Audio Controller integrates all of your audio sources and makes them easily accessible from a single, centrally managed location. The DAS-T0808-SIG controls up to 8 sources and distributes audio to 8 rooms or zones. Control sources using the Mio R-1 Audio Remote Control and Metreau Audio Keypads via RS-232, IP address (using the optional DAS-MNET), or IR (using the DAS-IRR-SWT and SWT-capable speakers).
Welcome to Tango, the fully compatible distributed audio solution that delivers beautifully vibrant sound to every room of your home with style and convenience.

Audio in the Home
PrecisDSP Brochure
Our Precis DSP Distributed Audio Solutions with integrated digital signal processing are specifically designed for the discerning audio connoisseur with a considerable number of audio sources.

Audio in the Home
Tango Brochure
Welcome to Tango, the fully compatible distributed audio solution that delivers beautifully vibrant sound to every room of your home with style and convenience.

SYSTEM DIAGRAM (CONT.)
Precis DSP Fixed Matrix Switchers
Stereo Audio with RCA Digital Volume Control and Digital Signal Processing

AVS-PL-0808-00P  8x8 (1 RU)  (FGP37-0808-00P)
AVS-PL-1818-00P  18x18 (2 RU) (FGP37-1818-00P)

OVERVIEW
The Precis DSP provides the ultimate solution for distributed audio by combining the functionality of a matrix switcher with the signal processing of an external equalization device. With robust features like a 10-band graphic equalizer, input gain, volume, tone, and balance control, the Precis DSP provides for exact customization of each output to support the attributes of the room or zone. The easy-to-use AutoPatch GraphicEQ setup software tool allows installers to manage all of the audio adjustments for the Precis DSP including adjusting the input gain to eliminate noticeable differences in volume as the user switches between various sources. Available in I/O sizes 8x8 or 18x18, the Precis DSP’s standard RS-232 control port utilizes AutoPatch’s BCS serial control protocol which allows it to be quickly and easily programmed when integrated into a control system.

COMMON APPLICATION
The Precis DSP is ideal for any residential or small commercial distributed audio installation.

FEATURES
- 10-band graphic equalizer on each output
- Digital balance, tone and volume control on each output
- Digital input gain control to normalize audio input voltages
- Gold-plated RCA connectors
- Standard RS-232 control port
- Supports AutoPatch’s simple BCS serial control protocol
- Optional TCP/IP control via external APWeb module
- Ships with free APControl to provide easy single-user PC control of the matrix switcher
- Ships with free AutoPatch GraphicEQ setup software
- Rack mounting ears included
- Backed by our AMX 3 year warranty

HELPFUL HINT
Cut or boost frequencies by fine tuning your audio system to suit the physical characteristics of each room or zone. Then, sweeten the sound to suit the listener's taste.

QUICK SHIP
These industry leading fixed systems are ready to for immediate delivery, most will ship the same day and all shipments are guaranteed to leave our factory within five days after receipt of order.

REVIT BIM
This product is part of the Autodesk Revit database and can be specified in designs for Building Information Modeling (BIM). Download the associated Revit .rfa file from the Autodesk SEEK Web site. It is also searchable under ‘AMX’ in any Autodesk application.

COUNTRY OF ORIGIN: UNITED STATES
To satisfy the requirements/regulations of existing or future government programs, this two-letter code is being provided to designate the country of origin for this product.
SPECIFICATIONS

I/O RANGE
• 8x8
• 18x18

GENERAL
• AC Power: 100-240 VAC single phase, 50-60 Hz
• Power Consumption (Max): 80 Watts per enclosure
• Power Consumption (Typ): 45 Watts per enclosure, fully loaded enclosure
• BTU/HR (Max): 273
• BTU/HR (Typ): 154, fully loaded enclosure
• Operational Temperature: 32° to 95° F (0° to 35° C)
• Humidity: 0 to 90% non-condensing

8X8 DIMENSIONS (HWD) WITH RACK EARS
• 1 11/16” x 19” x 9 3/4”
• 4.3 cm x 48.3 cm x 24.8 cm

8X8 DIMENSIONS (HWD) WITHOUT RACK EARS
• 1 11/16” x 17 3/8” x 9 3/4”
• 4.3 cm x 44.2 cm x 24.8 cm
• RU: 1

18X18 DIMENSIONS (HWD) WITH RACK EARS
• 3 1/2” x 19” x 9 3/4”
• 8.9 cm x 48.3 cm x 24.8 cm
• RU: 2

18X18 DIMENSIONS (HWD) WITHOUT RACK EARS
• 3 1/2” x 17 3/8” x 9 3/4”
• 8.9 cm x 44.2 cm x 24.8 cm

WEIGHT
• 8x8: Appx. 7 lbs (3.18 kg)
• 18x18: Appx. 10.5 lbs (4.76 kg)

CERTIFICATIONS
UL, cUL, CE, RoHS/WEEE compliant

STANDARD AUDIO WITH DIGITAL VOLUME CONTROL
• Input Level (Max): +14 dBu, unbalanced
• Input Impedance: 2 kΩms
• Output Level (Max): +14 dBu, unbalanced
• Output Impedance: <5 Ohms
• Frequency Response: -3 dB to -0.8 dB (20 Hz to 20 kHz)
• THD + Noise: <0.1% (1 kHz, Vin = -10 to +10 dBu)
• Signal to Noise Ratio: >90 dB (20 Hz to 20 kHz, Vin = +14 dBu)
• Crosstalk: <-115 dB (1 kHz, Vin = +14 dBu)
• Input Gain Adj. Range: +10 dB to -10 dB, via serial commands / GraphicEQ software
• Output Volume Adj. Range: +10 dB to -70 dB (mute), via serial commands / GraphicEQ software
• Coupling: AC Coupled
• Connectors: RCA (Gold-plated RCA connectors)

AUDIO DSP FEATURES
TONE-BASS
• Low Pass Shelf @ 250 Hz
• -12 dB to +12 dB (in 0.5 dB increments)

TONE-TREBLE
• High Pass Shelf @ 6 kHz
• -12 dB to +12 dB (in 0.5 dB increments)

10 BAND EQUALIZER
• 32 Hz, 64 Hz, 125 Hz, 250 Hz, 500 Hz, 1 kHz, 4 kHz, 8 kHz, 16 kHz
• -12 dB to +12 dB (in 0.5 dB increments)
DAS-T0808-SIG
Tango 8-Source, 8-Zone Controller

OVERVIEW
The Tango Audio Controller integrates all of your audio sources and makes them easily accessible from a single, centrally managed location. The DAS-T0808-SIG controls up to 8 sources and distributes audio to 8 rooms or zones. Control sources using the Mio R-1 Audio Control and Metreau Audio Keypads or with a PC using the optional DAS-MNET. Sources such as Satellite Receivers, CD Players, MP3 Players and Media Servers can be connected to the RCA source inputs on the rear panel. Tango’s modular design allows it to grow with you to accommodate future technologies via replaceable tuner and interface cards. While it can inherently support 8 sources and 8 zones, up to 7 Tango Zone Expanders can be added to the system to add up to 64 rooms/zones.

COMMON APPLICATION
A good choice for distributed audio of up to 8 audio sources in dens, kitchens, living rooms, dining areas and around pools in residences, condominiums, restaurants, spas and small offices.

FEATURES
• Can control 8 sources and distribute to 8 rooms/zones
• Expandable to 64 zones with Tango Zone Expander
• 40 watts per channel of stereo sound delivered to each zone
• Includes AM/FM tuner
• Macro capable / Software adjustable input attenuation/output gain
• RS-232 control port and RJ-11 expansion ports
• Dedicated IR outputs, 8 audio inputs/outputs (buffered)
• 110 VAC (Included with FG1103-02) or 220 VAC (Included with FG1103-04) power supply

DAS-T0808-SIG
Tango 8-Source, 8-Zone Controller

110 VAC Power (FG1103-02)
220 VAC Power (FG1103-04)

QUICK TIP
Pair the Tango Audio Controller with the complementarily-styled NI-3101-SIG Signature Series NetLinx Integrated Controller to provide control of lighting, thermostats, pool/spa, window treatments, and other audio/video technologies.

TRAINING AVAILABLE
For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

D-TOOLS CERTIFIED PRODUCT
This product can be found in the D-Tools manufacturer product database and specified as a third party device when building and proposing a system using D-Tools System Integrator software.

COUNTRY OF ORIGIN: UNITED STATES
To satisfy the requirements/regulations of existing or future government programs, this two-letter code is being provided to designate the country of origin for this product.
**A CLOSER LOOK**

- **Light Bar (power status)**
- **LCD Display Screen**
- **LED Zone Status Indicators**
- **IR Receiver**
- **Function Buttons**
- **Power Switch & Receptacle**
- **Audio Inputs (4 or 8)**
- **Audio Outputs (4 or 8)**
- **Expansion Port (RJ11)**
- **RS-232 (DB9)**
- **Antenna Inputs FM AM**
- **Paging IN/OUT ports**
- **IR Outputs (8)**
- **Zone Outputs (4 or 8)**

**Audio Inputs (4 or 8)**
- **Audio Outputs (4 or 8)**

**Expansion Port (RJ11)**
- **RS-232 (DB9)**

**Antenna Inputs FM AM**

**Paging IN/OUT ports**

**IR Outputs (8)**

**Zone Outputs (4 or 8)**

**Speakers**

**AMX DA8080-SIG Distributed Audio**

**AMX DAS-T0808-SIG**
- Tango 8-Source, 8-Zone Controller

**AMX RX8080-SIG**
- Audio Keypad Controls

**AMX Mix Medium B14 Remote Control**

**AMX NA8080-SIG**
- Signature Series Integrated Controller

**Pod**

**Media Server**

**Audio 8M or Sirius Radio**
**SPECIFICATIONS**

**DIMENSIONS (HWD)**
- 4” x 17” x 13 1/2” (10.2 cm x 43.2 cm x 34.3 cm)
- RU: 2

**WEIGHT**
- 31 lbs (14.1 kg)

**POWER**
- Average usage: 300 W
- Maximum: 960 W

**ZONE SUPPORT**
- Eight independent audio zones
- Each zone is protected thermally
- Zone grouping
- Independent volume, bass, treble, balance and SRS controls in each zone

**STEREO AMPLIFIERS**
- 40 W per channel stereo amplifiers (20 Hz to 20 KHz @ .1% THD)
- Amplifiers are protected from overload and thermal runaway

**FRONT PANEL COMPONENTS**
- Light Bar: Blue light bar indicates power status
- LEDs: Blue LEDs indicate level status
- Function/Navigation Buttons: 5 pushbuttons allow for front panel programming, selection of sources, tuning AM/FM radio stations, or Sirius satellite radio stations (when equipped with the optional Sirius and/or AM/FM Tuner Card)
- IR Receiver: This is where you must aim the remotes from your audio source components so the controller can learn and emulate those commands
- LCD Display: Displays information necessary during the programming steps as well as information about the source input and zone activity

**REAR PANEL COMPONENTS**
- Power Switch/Receptacle: Master power switch remains in the ON position normally
- Paging In/Out Ports: RCA jacks to connect to paging devices (any audio input can be used as a paging device). The Paging device connects to the Controller via the “Paging In” connector. The “Paging Out” connector is used to carry the page to Zone Expander(s).
- RJ-45: Port for PC control
- RS-232 Port: DB9 connector allows the Tango Audio Controller to receive controller command messages and provide status messages. This port is intended primarily for troubleshooting or connection to a NetLinx Controller
- AM/FM Antenna Inputs: Connections for the AM and FM antennas
- Audio Inputs: stereo inputs, 47K impedance, buffered
- Audio Outputs: stereo looping outputs, buffered
- IR Outputs: Eight IR 3.5 mm mono output jacks
- Zone Outputs: 8 zone output connectors (connect to speakers or Metreau audio keypads)
- Expansion Port: RJ-11 port connects controller with zone expanders

**INCLUDED ACCESSORIES**
- IR01 IR Emitter Module (FG-IR01)
- FM Antenna
- Power Cord

**RECOMMENDED ACCESSORIES**

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DAS-T0804-SIG
Tango 8-Source, 4-Zone Controller

OVERVIEW
The Tango Audio Controller integrates all of your audio sources and makes them easily accessible from a single, centrally managed location. The DAS-T0804-SIG controls up to 8 sources and distributes audio to up to 4 rooms or zones. Control sources using the Mio R-1 Audio Control and Metreau Audio Keypads or with a PC using the optional DAS-MNET. Sources such as Satellite Receivers, CD Players, MP3 Players and Media Servers can be connected to the RCA source inputs on the rear panel. Tango’s modular design allows it to grow with you to accommodate future technologies via replaceable tuner and interface cards. While it can inherently support 8 sources and 4 zones, up to 7 Tango Zone Expanders can be added to the system to add up to 60 rooms/zones.

COMMON APPLICATION
Ideal for central control of multiple audio sources in kitchens, patios, bedrooms, bathrooms and living areas in single-family homes, condominium buildings, restaurants, spas and small offices.

FEATURES
• Can control 8 sources and distribute to 4 rooms/zones
• Expandable to 60 zones with Tango Zone Expander
• 40 watts per channel of stereo sound delivered to each zone
• Includes AM/FM tuner
• Macro capable / Software adjustable input attenuation/output gain
• RS-232 control port and RJ-11 expansion ports
• Dedicated IR outputs, 8 audio inputs/outputs (buffered)
• 110 VAC (Included with FG1103-02) or 220 VAC (Included with FG1103-04) power supply

QUICK TIP
Pair the Tango Audio Controller with the complementarily-styled NI-3101-SIG Signature Series NetLinx Integrated Controller to provide control of lighting, thermostats, pool/spa, window treatments, and other audio/video technologies.

TRAINING AVAILABLE
For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

D-TOOLS CERTIFIED PRODUCT
This product can be found in the D-Tools manufacturer product database and specified as a third party device when building and proposing a system using D-Tools System Integrator software.

COUNTRY OF ORIGIN: UNITED STATES
To satisfy the requirements/regulations of existing or future government programs, this two-letter code is being provided to designate the country of origin for this product.
A CLOSER LOOK

Function Buttons

Light Bar (power status)

LCD Display Screen

LED Zone Status Indicators

IR Receiver

Power Switch & Receptacle

Audio Inputs (4 or 8)

Audio Outputs (4 or 8)

Expansion Port (RJ11)

RS-232 (DB9)

Antenna Inputs FM AM

Paging IN/OUT ports

IR Outputs (8)

Zone Outputs (4)
SPECIFICATIONS

DIMENSIONS (HWD)
- 4" x 17" x 13 1/2" (10.2 cm x 43.2 cm x 34.3 cm)
- RU: 2

WEIGHT
31 lbs (14.1 kg)

POWER
- Average usage: 300 W
- Maximum: 960 W

ZONE SUPPORT
- Four independent audio zones
- Each zone is protected thermally
- Zone grouping
- Independent volume, bass, treble, balance and SRS controls in each zone

STEREO AMPLIFIERS
- 40 W per channel stereo amplifiers (20 Hz to 20 KHz @ .1% THD)
- Amplifiers are protected from overload and thermal runaway

FRONT PANEL COMPONENTS
- Light Bar: Blue light bar indicates power status
- LEDs: Blue LEDs indicate level status
- Function/Navigation Buttons: 5 pushbuttons allow for front panel programming, selection of sources, tuning AM/FM radio stations, or Sirius satellite radio stations (when equipped with the optional Sirius and/or AM/FM Tuner Card)
- IR Receiver: This is where you must aim the remotes from your audio source components so the controller can learn and emulate those commands
- LCD Display: Displays information necessary during the programming steps as well as information about the source input and zone activity

REAR PANEL COMPONENTS
- Power Switch/Receptacle: Master power switch remains in the ON position normally
- Paging In/Out Ports: RCA jacks to connect to paging devices (any audio input can be used as a paging device). The Paging device connects to the Controller via the “Paging In” connector. The “Paging Out” connector is used to carry the page to Zone Expander(s).
- RJ-45: Port for PC control
- RS-232 Port: DB9 connector allows the Tango Audio Controller to receive controller command messages and provide status messages. This port is intended primarily for troubleshooting or connection to a NetLinx Controller.
- AM/FM Antenna Inputs: Connections for the AM and FM antennas
- Audio Inputs: stereo inputs, 47K impedance, buffered
- Audio Outputs: stereo looping outputs, buffered
- IR Outputs: Four IR 3.5 mm mono output jacks
- Zone Outputs: 4 zone output connectors (connect to speakers or Metreau audio keypads)
- Expansion Port: RJ-11 port connects controller with zone expanders

INCLUDED ACCESSORIES
- IR01 IR Emitter Module (FG-IR01)
- FM Antenna
- Power Cord

RECOMMENDED ACCESSORIES

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OVERVIEW
The Tango Zone Expander is used in conjunction with the Tango Audio Controller when additional audio zones are needed. Each DAS-T0808X-SIG adds 8 zones, and up to 7 Expanders can be added to each Tango Audio Controller for a total of 64 zones per system. Like the Tango Audio Controller, 40 watts per channel of stereo sound are delivered to each zone. Audio can be retrieved from any one of eight sources connected to the Tango Audio Controller.

COMMON APPLICATION
Expanding the number of distributed audio zones in a system. Commonly found in single-family homes, condominium buildings, restaurants, spas and small offices.

FEATURES
• Supports 8 sources and 8 zones
• Up to 7 Tango Zone Expanders can be used in each system for support of up to 64 zones
• 40 watts per channel stereo sound to each zone

SPECIFICATIONS
DIMENSIONS (HWD)
• 3 1/2” x 17” x 13 1/2” (8.9 cm x 43.2 cm x 34.3 cm)
• RU: 2
WEIGHT
27.9 lbs (12.7 kg)
POWER
• Average usage: 300 W
• Maximum: 960 W
STEREO OUTPUT
40 W per channel stereo (20 Hz to 20 KHz @ .1% THD)
AUDIO INPUTS
8 Stereo Inputs, 47K impedance
AUDIO OUTPUTS
8 Stereo Looping Outputs
ZONE SUPPORT
Eight independent audio zones
FRONT PANEL COMPONENTS
• Light Bar: Blue light bar indicates power status
• LEDs: Blue LEDs indicate active zones
REAR PANEL COMPONENTS
• Power Switch/Receptacle: Master power switch remains in the ON position normally
• Paging In/Out Ports: RCA jacks to connect to paging devices (any audio input can be used as a paging device). The Paging device connects to the Controller via the “Paging In” connector. The “Paging Out” connector is used to carry the page to Zone Expander(s)
• Expansion IN Port: RJ-11 - From Controller or other Zone Expander
• Expansion OUT Port: RJ-11 - To another Zone Expander
• Address Switch: Sets the address of the Zone Expander and the zones within that Expander
• Zone Outputs: Connections for up to 8 zone outputs that connect to the keypads

INCLUDED ACCESSORIES
Power Cable

DAS-MRMK
Rack Mount Kit
(FG1101-60)
509
A CLOSER LOOK

- Light Bar (power status)
- LED Zone Status Indicators
- Power Switch & Receptacle
- Stereo Inputs/Outputs (8)
- Expansion Port IN: from Tango Audio Controller or other Expander
- Expansion Port OUT: to other Expander
- Address Switch
- Paging IN/OUT ports
- Zone Outputs (4 or 8)
DAS-T0804X-SIG
Tango 4-Zone Expander

110 VAC Power (FG1103-11)
220 VAC Power (FG1103-13)

OVERVIEW
The Tango Zone Expander is used in conjunction with the Tango Audio Controller when additional audio zones are needed. Each DAS-T0804X-SIG adds 4 zones, and up to 7 Expanders can be added to each Tango Audio Controller for a total of up to 60 zones per system. Like the Tango Audio Controller, 40 watts per channel of stereo sound are delivered to each zone. Audio can be retrieved from any one of eight sources connected to the Tango Audio Controller.

COMMON APPLICATION
Expanding the number of distributed audio zones in a system. Commonly found in single-family homes, condominium buildings, restaurants, spas and small offices.

FEATURES
• Supports 8 sources and 4 zones
• Up to 7 Tango Zone Expanders can be used in each system for support of up to 60 zones
• 40 watts per channel stereo sound to each zone

SPECIFICATIONS
DIMENSIONS (HWD)
• 3 1/2” x 17” x 13 1/2” (8.9 cm x 43.2 cm x 34.3 cm)
• RU: 2
WEIGHT
27.9 lbs (12.7 kg)
POWER
• Average usage: 300 W
• Maximum: 960 W
STEREO OUTPUT
40 W per channel stereo (20 Hz to 20 KHz @ .1% THD)
AUDIO INPUTS
8 Stereo Inputs, 47K impedance
AUDIO OUTPUTS
8 Stereo Looping Outputs
ZONE SUPPORT
Four independent audio zones
FRONT PANEL COMPONENTS
• Light Bar: Blue light bar indicates power status
• LEDs: Blue LEDs indicate active zones
REAR PANEL COMPONENTS
• Power Switch/Receptacle: Master power switch remains in the ON position normally
• Paging In/Out Ports: RCA jacks to connect to paging devices (any audio input can be used as a paging device). The Paging device connects to the Controller via the “Paging In” connector. The “Paging Out” connector is used to carry the page to Zone Expander(s)
• Expansion IN Port: RJ-11 - From Controller or other Zone Expander
• Expansion OUT Port: RJ-11 - To another Zone Expander
• Address Switch: Sets the address of the Zone Expander and the zones within that Expander
• Zone Outputs: Connections for up to 4 zone outputs that connect to the keypads

INCLUDED ACCESSORIES
Power Cable

RECOMMENDED ACCESSORIES

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**A CLOSER LOOK**

- **Light Bar (power status)**
- **LED Zone Status Indicators**
- **Power Switch & Receptacle**
- **Stereo Inputs/Outputs (8)**
- **Expansion Port IN: from Tango Audio Controller or other Expander**
- **Address Switch**
- **Expansion Port OUT: to other Expander**
- **Paging IN/OUT ports**
- **Zone Outputs (4)**
DAS-TAMP8-SIG
Tango 8-Channel Amplifier

110 VAC Power (FG1103-22)
220 VAC Power (FG1103-24)

OVERVIEW
Where more than one pair of speakers is required in a zone, the Tango 8-channel Amplifier provides the extra power needed to drive up to 4 additional speaker pairs. The DAS-TAMP8-SIG is an 8-channel amp that supports the addition of 4 speaker pairs in one zone. Add up to 3 Tango amplifiers per zone to gain up to 12 additional speaker pairs.

COMMON APPLICATION
Use Tango Amplifiers in backyards, large rooms or other zones where up to 4 additional speaker pairs (8 additional speakers) are needed.

FEATURES
• High-quality sound - delivers 60 watts of high-quality sound per channel
• Includes an 8-channel amp that supports 4 speakers pairs
• Expandable configuration - stack up to three Tango Amplifiers units per zone to gain up to 12 additional speaker pairs (24 channels)
• Easy installation - speaker wire technology makes installation simple using four-conductor speaker wire

SPECIFICATIONS
DIMENSIONS (HWD)
• 3 1/16” x 17” x 13 1/2” (7.7 cm x 43.2 cm x 33.5 cm)
• RU: 2
WEIGHT
25.8 lbs (11.7 kg)
POWER
• Average usage: 250 W
• Maximum: 750 W
• High current Torroidal power supply
STEREO OUTPUT
• Dual mono amplifier stage design
• 60 W per channel (1 KHz continuous .006%@ 8 Ohms THD+N)
• Each Tango amplifier is capable of providing 480 W @ 8 Ohms
CONFIGURATION
• Modular Design - configurable in single pairs up to 4 stereo pairs (8 channels)
• Stackable up to 3 Tango Amplifiers or 12 stereo pairs (24 channels)
CONTROL OPTIONS
• Metreau Audio Keypads
• C-Series or W-Series speakers using SWT
FRONT PANEL COMPONENTS
• Light Bar: Blue light bar indicates power status
• LEDs: Blue LED lights when active
REAL PANEL COMPONENTS
• Power Switch/Receptacle: Master power switch remains in the ON position normally
• Output 1-4: SWT connectors provide direct connection to speakers
• From Controller: SWT input port (connects to Tango Audio Controller)
• To Keypad: SWT output port (connects to Metreau keypad or interface)
INCLUDED ACCESSORIES
• Power Cable

RECOMMENDED ACCESSORIES
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**DAS-TAMP4-SIG**

**Tango 4-Channel Amplifier**

110 VAC Power  
220 VAC Power  

**OVERVIEW**

Where more than one pair of speakers is required in a zone, the Tango 4-channel Amplifier provides the extra power needed to drive up to 2 additional speaker pairs. The DAS-TAMP4-SIG is a 4-channel amp that supports the addition of 2 speaker pairs in one zone. Add up to 3 Tango amplifiers per zone to gain up to 6 additional speaker pairs.

**COMMON APPLICATION**

Use Tango Amplifiers in backyards, large rooms or other zones where where up to 2 additional speaker pairs (4 additional speakers) are needed.

**FEATURES**

- High-quality sound - delivers 60 watts of high-quality sound per channel
- Includes an 4-channel amp that supports 2 speakers pairs
- Expandable configuration - stack up to three Tango Amplifiers units per zone to gain up to 6 additional speaker pairs (12 channels)
- Easy installation - speaker wire technology makes installation simple using four-conductor speaker wire

**SPECIFICATIONS**

**DIMENSIONS (HWD)**
- 3 1/16” x 17” x 13 1/2” (7.7 cm x 43.2 cm x 33.5 cm)
- RU: 2

**WEIGHT**
- 25.8 lbs (11.7 kg)

**POWER**
- Average usage: 125 W
- Maximum: 375 W
- High current Torroidal power supply

**STEREO OUTPUT**
- Dual mono amplifier stage design
- 60 W per channel (1 KHz continuous .006%@ 8 Ohms THD+N)
- Each Tango amplifier is capable of providing 240 W @ 8 Ohms

**CONFIGURATION**
- Modular Design - configurable in single pairs up to 4 stereo pairs (8 channels)
- Stackable up to 3 Tango Amplifiers or 12 stereo pairs (24 channels)

**CONTROL OPTIONS**
- Metreau Audio Keypads
- C-Series or W-Series speakers using SWT

**FRONT PANEL COMPONENTS**
- Light Bar: Blue light bar indicates power status
- LEDs: Blue LED lights when active

**REAR PANEL COMPONENTS**
- Power Switch/Receptacle: Master power switch remains in the ON position normally
- Output 1-4: SWT connectors provide direct connection to speakers
- From Controller: SWT input port (connects to Tango Audio Controller)
- To Keypad: SWT output port (connects to Metreau keypad or interface)

**INCLUDED ACCESSORIES**
- Power Cable

**RECOMMENDED ACCESSORIES**

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**TRAINING AVAILABLE**

For important installation, configuration and programming techniques, AMX University training is available. Just visit [www.amx.com/training](http://www.amx.com/training)

**D-TOOLS CERTIFIED PRODUCT**

This product can be found in the D-Tools manufacturer product database and specified as a third party device when building and proposing a system using D-Tools System Integrator software.
A CLOSER LOOK

Light Bar (power status)

LED Zone Status Indicators

Power Switch & Receptacle

From Controller

Speaker Outputs

To Keypad

Speaker Outputs

Light Bar (power status)

LED Zone Status Indicators

Power Switch & Receptacle

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Light Bar (power status)

LED Zone Status Indicators

Power Switch & Receptacle

From Controller

Speaker Outputs

To Keypad

Speaker Outputs
OVERVIEW
The MIO-R1-AUDIO remote offers custom control features in an elegant handheld device for IR control of your Tango Distributed Audio System. The MIO-R1-AUDIO remote includes buttons for up to 8 sources, including TUNER, SAT, CD, AUX, MP3, DVD, SRC7 and SRC8, as well as volume and navigation controls.

COMMON APPLICATION
Designed for use with the Tango Distributed Audio system and Metreau Audio Keypads.

FEATURES
- Allows for setting and recalling of Source Presets
- Allows for setting and recalling of Source Favorites
- Zone Grouping
- Keypad Lockout
- Operates keypad from remote control by pointing remote at the local keypad and pushing the appropriate buttons

TRAINING AVAILABLE
For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

SPECIFICATIONS
DIMENSIONS (HWD)
9 1/2” x 2” x 3/4” (24.1 cm x 5.1 cm x 1.9 cm)
WEIGHT
- 7.2 oz (20 g) without batteries
- 8.8 oz (25 g) with batteries
POWER
4 AAA Alkaline Batteries (5 hours battery life)
LCD DISPLAY
- Animated IR Transmission Icon
- Battery Indicator Icon
TRANSMISSION FREQUENCIES
- IR 38 Khz (Note: Remote must be set to 38 Khz when used with Metreau Keypads)
- IR 455 Khz
TRANSMISSION RANGE (DISTANCE) WITH MIO IR RECEIVER
- 100 feet at 38 Khz
- 50 feet at 455 Khz
TRANSMISSION RANGE (ANGLE)
- 140º (±70º from perpendicular) horizontally from an axis extending from the end of the remote
- 40º (±20º from perpendicular) vertically from an axis extending from the end of the remote
TOP COMPONENTS
- LED - blue backlit buttons indicate device is awake
- Display (OLED) - 128 x 32 pixels, active area is 29.42 mm x 7.98 mm
- Pushbuttons - the power button is red backlit; the rest are blue backlit buttons. 45 buttons; 9 custom buttons (3 macro and 6 device)
BACKLITTING SYSTEM ACTIVATION
- Tilt Switch
- Push Button
REAR
- Programming Port - 2.5 mm stereo female conductor jack
- Battery Door
ENVIRONMENTAL
- Operating Temperature: 0º to 50º C (32º to 122º F)
- Storage Temperature: -10º to 70º C (14º to 158º F)

RECOMMENDED ACCESSORIES

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MIO-RCC-KIT	 Mio	Remote	Charging	Cradle	Kit	 (FG147-03K)	 346
MIO-RBP		 Rechargeable	Lithium	Ion	Battery		 (FG147-10)	 347
MIO-IRRX	 Mio	Modero	IR	Receiver	 (FG5797-01xx)	 349

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DAS-AMFM
AM/FM Tuner Module
(FGI110-01)

OVERVIEW
Add AM/FM Radio functionality to your Tango system with the DAS-AMFM AM/FM Tuner Module. Up to 2 DAS-AMFMs can be added to each controller. Each tuner uses one source input on the audio controller.

COMMON APPLICATION
Great for homes, condominium buildings, retail environments and restaurants that require AM/FM radio that can be heard and controlled in multiple zones simultaneously.

FEATURES
• Up to 2 tuners can be added to each controller
• Integrates into Tango Controller with no additional rack space

NOTE: Each controller supports up to two total tuners in any combination of DAS-SIRIUS or DAS-AMFM Modules.

DAS-MNET
Network Interface Card
(FGI101-61)

OVERVIEW
The DAS-MNET connects the Tango controller to an existing wired or wireless network infrastructure to provide IP connectivity and control of the system. When coupled with the software included with the DAS-MNET, users can access and control source- and system-wide features and functionality, as well as receive system status from any networked computer.

COMMON APPLICATION
Offices, restaurants, condominiums and homes requiring PC Control of the Tango Distributed Audio System.

FEATURES
• Connects Tango Controller to existing network infrastructure
DAS-MRMK
Mi Series Rack Mount Kit
(FG1101-60)

OVERVIEW
The DAS-MRMK Rack Mount Kit converts the 17"-width Tango Audio Controllers, Zone Expanders and Amplifiers to 19” rack-mount size.

COMMON APPLICATION
Designed for installation flexibility in offices, restaurants, condominiums and homes where AV devices are rack mounted.

DAS-SWTC
Speaker Wire Terminal Connectors (10)
(FG1110-11)

OVERVIEW
Package of 10 speaker wire terminal connectors

TRAINING AVAILABLE
For important installation, configuration and programming techniques, AMX University training is available. Just visit www.amx.com/training

D-TOOLS CERTIFIED PRODUCT
This product can be found in the D-Tools manufacturer product database and specified as a third party device when building and proposing a system using D-Tools System Integrator software.