


# CasaTunes Matrix Amplifiers

Powering music in up to 96 rooms

CasaTunes Matrix Amplifiers switch and amplify music streams from a CasaTunes music server and other audio components, to any combination of rooms in your home or small business



**CasaTunes**  
MULTI-ROOM MATRIX AMPLIFIER

 **CasaTunes**  
music by the roomful



# About CasaTunes matrix amplifiers

CasaTunes Matrix Amplifiers switch and amplify music streams fed from a CasaTunes music server and various other music components, including TVs, set-top boxes, Google Chromecast, Amazon Echo Link, SONOS Connect/Port, phonographs, and more, throughout your home.

You can listen to any input source (stream or music component) in any room or combination of rooms. The built-in hardware audio switch results in perfect synchronization and near-zero latency, ideal for switching TV audio, as well as music.

CasaTunes offers 3 matrix amplifier solutions, designed to meet the various needs of our customers.

For even more flexibility, the CasaTunes CT-5X4MA and CT-12X8MA may be used in the same installation.



## CasaTunes 5X4MA

The CasaTunes CT-5X4MA matrix amplifier is an entry level 4-room matrix amplifier, ideal for use in smaller homes, and can be used to expand an existing CT-12X8MA matrix amplifier.

## CasaTunes 6X6MA

The CasaTunes CT-6X6MA 6-room matrix amplifier is our value based solution, offering an excellent balance of functionality, performance and value.

## CasaTunes 12X8MA

The CasaTunes CT-12X8MA 8-room matrix amplifier offers the highest audio quality, functionality, and performance.

# Introducing the new CT-5X4MA and CT-12X8MA matrix amplifiers

The CasaTunes 5X4 and 12X8 matrix amplifiers are CasaTunes latest matrix amplifiers bringing a new generation of unrivaled features and performance.

These amplifiers are designed to be used stand alone or together in the same site.

What truly differentiates these amplifiers are the **distributed sources**. With distributed sources a source connected on one amplifier can be shared with other amplifiers using audio-over-IP. The CasaTunes 5X4 and 12X8 matrix amplifiers support up to 16 distributed sources. Enough sources for the most demanding projects.

"...Typically, when installing multiple amplifiers, you must physically locate the amplifiers and your source equipment next to each other. Depending on the capabilities of the matrix amplifiers you must either physically connect a cable from each source to every amplifier, or you must connect a source to one amplifier, and then daisy chain sources between amplifiers.

**Distributed sources** eliminate these installation constraints. Now have the freedom to locate your amplifiers in separate locations and to connect your sources to any amplifier..."

## Setup

To simplify setup, CasaTunes follows a Master/Slave setup approach.

The master amplifier corresponds to the first amplifier that is installed, and contains the first zone (Zone 1).

All the sources on the master amplifier are automatically configured as distributed sources and are available to all the other slave amplifiers on the network.

When connecting a source to a slave amplifier, you configure this source as a distributed source, so it is then available to all amplifiers (including the master amplifier).

## Automatic Discovery & Configuration

Another benefit of the new CasaTunes CT-5X4MA and CT-12X8MA matrix amplifiers is automatic discovery and configuration. When a new matrix is discovered, it is automatically configured

# Accessories for the CT-5X4MA and CT-12X8MA Matrix Amplifiers

## CT-250A/CT-2100A Stereo Amplifiers

The CasaTunes CT-250A and CT-2100A are the perfect companion stereo amplifiers for powering the two pre-amplified outputs on the CT-12X8 matrix amplifier.

The CasaTunes CT-250A and CT-2100A are 2-channel class D power amplifiers featuring a stereo speaker output with support for 4-ohm and 8-ohm speakers. The amplifiers can deliver 50 and 100 watts per channel into 8-ohms, respectively.



The amplifiers can be configured to be always on, to turn on when an audio signal is detected, or powered on using a trigger signal

For better reliability and maximum power savings ( $\leq 0.5$  watts in standby mode), use the trigger out (AMP ON) capabilities of the CT-12X8MA to turn the amplifier in and out of standby mode when the zone is powered off and on.

The amplifiers can be mounted individually or side-by-side in a rack.

## CT-KP2 Keypads

The CasaTunes KP2 Keypads are compatible with the CasaTunes 12X8 and 5X4 Matrix Amplifiers.



The KP2 keypads do not require any programming and are, by default, configured to control the zone based on the amplifier keypad port it is connected to.

Keypads are optional for the CT-5X4MA and CT-12X8MA. You can connect up to 2 and 8 keypads to the CT-5X4MA and CT-12X8MA respectively.

The KP2 keypad is powered directly by the amplifier Keypad ports and does not require an additional power supply.



# CasaTunes Matrix Amplifiers

	CT-6X6MA	CT-5X4MA	CT-12X8MA
Zones (Per Amp/Max)	6/36	4/96	8/96
Sources/Distributed Srcs	6/-	5/16	12/16
Amplified Outputs (8 $\Omega$ )	6 x 50W	4 x 30W	6 x 110W
Pre-amplified Outputs	6	2	8
Input Sources	4 x Analog RCA 1 x Analog 3.5mm 1 x Analog 3.5mm -or- S/PDIF TOSLINK	2 x Analog RCA 1 x S/PDIF TOSLINK 2 x S/PDIF Coax	8 x Analog RCA 4 x S/PDIF TOSLINK 12 x S/PDIF Coax
EQ Settings	Bal, Bass, Treble	Loud, Bal, B/T, Mono	Loud, Bal, B/T, Mono
Control	RS-232/Serial	IP/Ethernet	IP/Ethernet
Keypads	6 x Keypads (incl)	2 x Ports (Opt)	8 x Ports (Opt)
Mounting	Rack Mount	Wall Mount	Rack Mount
IR Outputs	Per Source/All Sources	IR Routing	IR Routing
12V Output Trigger	Per Zone/Any Zone	-	Per Zone/Any Zone
Protection	Overload/Short/Thermal	Overload/Short/Thermal	Overload/Short/Thermal
Power	115/230V Switch	110/240V Auto/Brick	110/240V Auto
Standby Power	-	6W	6W
Firmware Upgradeable	No	Yes	Yes
Dimensions	16.9" x 3.5" x 16.4"	6.5" x 5.8" x 1.4"	17.1" x 4.1" x 15.4"
Weight	24.3 lbs	5 lbs	15.4 lbs
Other	Includes IR Remote	7-Band Equalizer	Subwoofer filter