QuickStart Guide
CasaTunes CT-6X6MA Matrix Amplifier

CasaTunes
music by the roomful

Use this guide to quickly setup and configure your matrix amplifier by following these steps:

1. Unpack and verify system contents
2. Verify the switch settings on the matrix amplifier are properly set
3. Connect the matrix amplifier control, sources, keypad and speaker cables
4. Use the CasaSetup browser application to configure your matrix

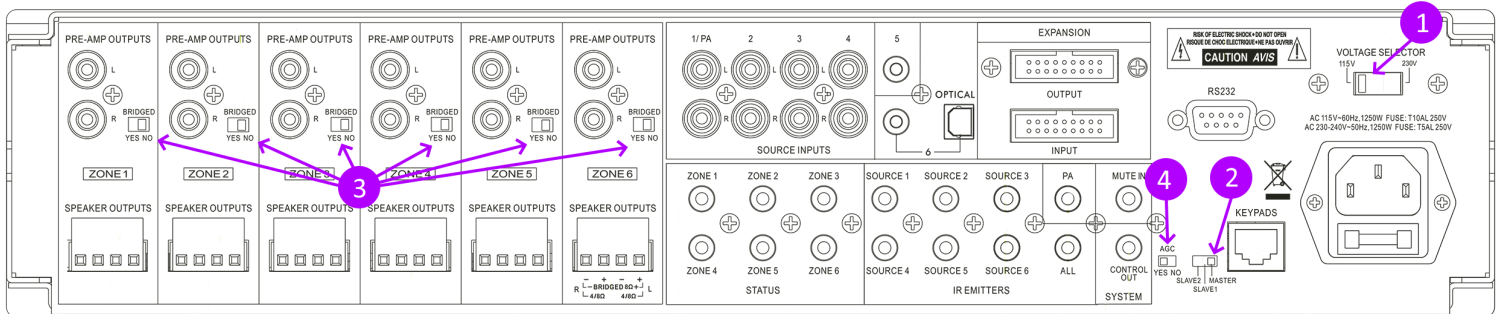Use this guide in conjunction with the QuickStart Guide for your music server to setup your system

What's in the box?

- 1 x CT-6X6MA Matrix Amplifier
- 1 x Rack mount kit
- 1 x IR Remote
- 6 x Keypads with built-in IR receiver
- 1 x cat5e/6 network cable (for connecting the keypad hub)
- 1 x Keypad in-wall Hub
- 1 x Expansion cable

Matrix Amplifier Switch Settings

1 Set the **voltage selector switch** to the correct voltage, 115/230V, before connecting power. If the switch is set to 230V, **make sure the T5AL250V fuse is installed**. *Improper setting of this switch could damage the amplifier and is not covered by the warranty.*

2 Set the **Slave 2/Slave 1/Master** switch, depending on the number of amplifiers, and according to the table below:

Amplifier	Zones	Switch Setting
1	1-6	Master
2	7-12	Slave 1
3	12-18	Slave 2

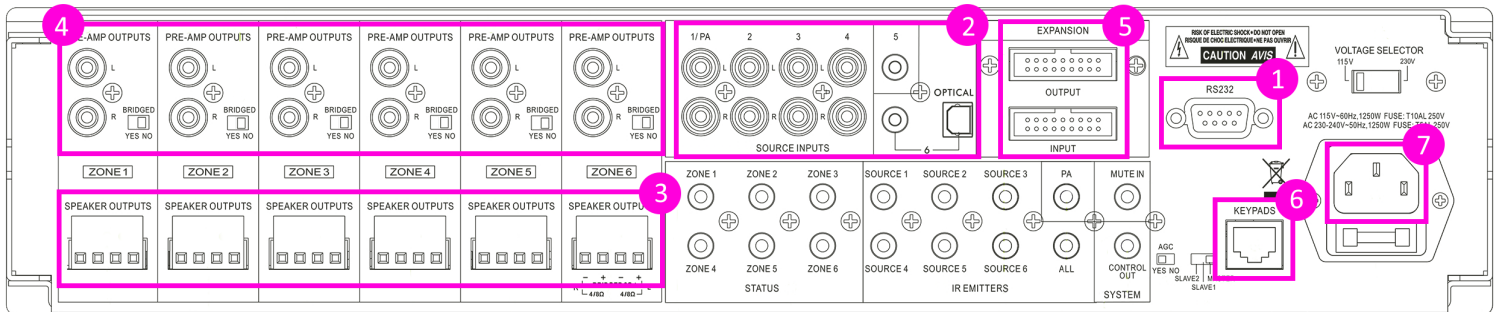Need Help? Email: Support@CasaTunes.com or Phone: 970.237.3140

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CasaTunes does support up to 36 rooms (using 6 amplifiers). To setup more than 18 zones please refer to the Tech Note **"How to wire multiple CasaTunes CT-6X6 Matrix Amplifier units"** in the Resources section.

3 Set the six **bridged** mode switches to be either stereo (NO) or bridged mode (YES). The bridged switches are typically set to stereo (NO position). Bridge channels when you need additional power in a room. Refer to the CasaTunes 6X6 Matrix Amplifier manual in the Resources section for more information.

4 Set the Automatic Gain Control (**AGC**) switch to the ON position. When this switch is ON, Automatic Gain Control is active, ensuring all the inputs are at the same overall volume level.

Matrix Amplifier Connections

1 Connect the serial cable from the CasaTunes music server to the RS232 control port on the matrix amplifier.

2 The CT-6X6 Matrix Amplifier has a maximum of six input sources (irrespective of the number of amplifiers connected). The first four sources require RCA cables, source 5 requires a stereo 3.5 mm cable, and source 6 can be either analog or digital. Use a stereo 3.5 mm cable for analog, and a TOSLink cable for digital. Connect the music server streams as follows, depending on the type of CasaTunes music server:

Music Server	Amplifier Analog Input Sources 1-4	Amplifier Digital Input Source 6
CT-2	1-2	
CT-3	1-3	
CT-5	1-4	5

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3 Connect the speaker outputs on the amplifier to your room speakers. You can use up to 12 AWG wire (although typically 16 AWG is sufficient for most installations). 8-ohm speaker are recommended, although the amplifier is 4-ohm stable (except when using bridged mode). *If using bridged mode, you must use 8 ohm speakers or you could damage the amplifier.*

4 You can use the pre-amplified outputs with a secondary power amplifier, an AV Receiver, or a powered subwoofer. Refer to the Tech Note "How to add a secondary power amplifier, AV Receiver or subwoofer" in the Resources section for more information.

5 If using more than one amplifier, you must use the expansion cable to inter-connect the amplifiers. Connect the expansion cable to the **OUTPUT** of the first amplifier, and plug the other end of the cable to the **INPUT** connector of the second amplifier, repeat for each additional amplifier.

6 Installation of the amplifier keypads are optional. If you plan to install the keypads, then connect the cat 5e/6 cable provided, from the **Keypads** port on the amplifier to the keypad in-wall hub, and connect your keypads to the keypad hub, using cat 5 network cables (not provided). Refer to the Keypad Manual in the Resources section for more information on how to install and configure the keypads.

The switches on the back of the keypad are used to configure which zone the keypad controls. **You cannot configure more than one keypad for each zone.**

In addition, the Keypads port is not an ethernet/network/internet connection. **Do not connect your network to the Keypads port**, as this will prevent the amplifier from functioning.
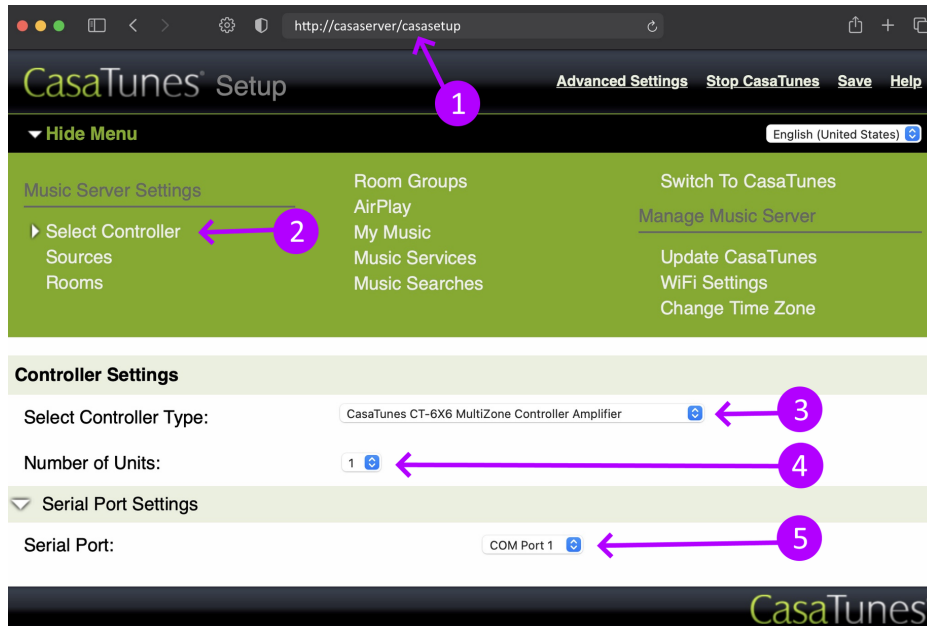
Once you have completed configuring the matrix amplifier switches and connections, power on the matrix amplifier, then the music server, and complete the software setup.

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⚙ Use CasaSetup to configure the Matrix Amplifier

1 Start CasaSetup by opening your browser on your computer and entering the following:
   On a PC: http://casaserver/casasetup
   On a MAC: http://casaserver.local/casasetup

2 Select the "**Select Controller**" page

3 Select **CasaTunes CT-6X6 Multizone Controller Amplifier** from the list of available controller types

4 Set the number of units to match the number of amplifiers installed

5 Select the serial port on the CasaTunes music server to use to control the matrix amplifier

Return to the Music Server Quickstart Guide to complete the software setup, including configuring the sources, rooms and music services.

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Resources

CasaTunes CT-6X6 Matrix Amplifier Manual
http://casatunes-public.s3.amazonaws.com/marketing/Collateral/Brochures/Manual_CT-6x6K.pdf

CasaTunes CT-6X6 Keypad Manual
http://casatunes-public.s3.amazonaws.com/marketing/Collateral/Guides%20and%20Manuals/CT-6X6MAKeypad%20Installation.pdf

How to wire multiple CasaTunes CT-6X6 Matrix Amplifier units
https://www.casatunes.com/support/docs/music-system-setup

How to add a secondary power amplifier, AVR or subwoofer
https://www.casatunes.com/support/docs/using-a-secondary-amplifier

CasaSetup Manual
https://www.casatunes.com/support/docs/casasetup

Submit a Support Ticket
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