

## 1. Preface

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This document describes specifications of API of Yamaha Extended Control (YXC, hereafter) for Yamaha A/V products. YXC is Yamaha's new communication protocol sent over Ethernet and Wi-Fi to control MusicCast enabled devices. This document describes only advanced function (Link etc.). Basic function is described in Yamaha Extended Control API Specification(Basic).

This specification (Rev.2.00) applies only to MusicCast devices that have been upgraded to a product firmware that supports after API version 2.00.

## 2. Definitions

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- MusicCast  
A function to share music easily among audio devices in multiple rooms at homes
- MusicCast Device(s)  
All products/devices that are equipped with MusicCast functions
- MusicCast Network  
A communication network on which MusicCast Devices join.
  - By multiple MusicCast Devices communicating each other on the same network (=MusicCast Network), all MusicCast devices can be operated using MusicCast App/YXC
- Location  
A unit of MusicCast Network being comprised. Location is expressed as Location ID made up by 32 characters
  - Max number of MusicCast Devices within 1 Location is up to 32 (available on or after API version 2.00: the max number before version 2.00 was 10).
- Link  
A function to share an audio stream among rooms
- Link Master Room  
A master room an audio distribution comes from
- Link Client Room(s)  
Client room(s) a music track to be distributed from Link Master Room
- Linked Rooms  
All rooms being linked including master and clients, or a Group
- Linked Room  
A room of linked client room(s)
- Group  
All lined rooms including master and clients, or Linked Rooms
- Device  
Equal to MusicCast Device
- Room  
A minimum component MusicCast devices can be shown/associated within a MusicCast network
- Main Zone Sync  
A function to input the same source as Main Zone to Zone 2/3.