



# Configuring a Multicast Route

## 6350-SR

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## Goal

Difficulty: Beginner

Minimum firmware: 18.1.29

To set up an multicast-enabled Accelerated device to enable multicast routing. This allows data streams to be casted to other multicast-enabled devices upon request.

## Setup

This article assumes that the hosting device and the receiving devices are multicast-enabled, and that they are correctly set up to host and receive data streams via a designated multicast IP and port.

## Sample

The following diagram shows a sample setup of a hosting device (which pushes out video data) that is connected to a 6350-SR's WAN port. The 6350-SR is then multicasting the data out via multicast address 224.1.1.1:4242. The receiving devices - who are in the same network as the 6350-SR, are streaming the video data via the LAN port through address 224.1.1.1:4242.



## Sample Configuration

Navigate to the 6350-SR's configuration page:

1. In **Services > Multicast**, insert a new name for the multicast route (e.g. *TestMulti*) and press **Add**.
2. Ensure the the **Enable** checkbox is selected.
3. Insert a multicast address that is within the range of 224.0.0.1 to 239.255.255.255 into the **Source address** field (e.g. *224.1.1.1*).

4. Insert a source port in the **Source port** field (e.g. 4242). Ensure this port is not used by another protocol. All necessary firewall settings to make this port work are automatic.
5. Select a **Source interface** for this route (e.g. LAN). The source interface is the interface where the receiving/client devices are connected to.
6. Select a **Destination interface** for this route (e.g. WAN). The destination interface is the interface where the device that is hosting the data stream is connected to.
7. Press **Save** at the bottom of the page to save the configuration changes.

The screenshot shows a configuration page for Multicast routes. At the top, there is a tab labeled 'Multicast' with a dropdown arrow. Below it, a sub-tab 'TestMulti' is active. The configuration fields are as follows:

|                       |                                     |
|-----------------------|-------------------------------------|
| Enable                | <input checked="" type="checkbox"/> |
| Source address        | 224.1.1.1                           |
| Source port           | 4242                                |
| Source Interface      | LAN                                 |
| Destination Interface | WAN                                 |

At the bottom of the form, there is a section for adding new routes: 'Add Multicast route' followed by a text input field containing 'Multicast route' and an 'Add' button.

When the device is configured, the source devices that request to get access to the multicast will receive the data stream from the destination device.