



## Reinland Church, Medicine Hat, AB

Newly designed and built, the Reinland Church provides regular services to its congregation.

## Products Used

- HX-7: Compact Line Array Speaker
- HX-5: Compact Line Array Speaker
- F Series Ceiling Speakers (F-2352SC, F-2352CU2)
- A-912MK2: 8-Channel Mixer Power Amplifier
- P-912MK2: Power Amplifier



## Purpose

The church required a public address system to provide sound in all rooms of the facility.

## Challenge

As with most houses of worship, there are some challenges to overcome to provide the best possible sound. Often reverberation is high in houses of worship due to the high ceilings, glass windows and structure of the church. Often rooms are very wide. And the church has multiple areas to cover. The entire facility required public address including the church, meeting rooms, hallways, etc.

## Solution

To control reverberation inside the church, TOA's HX-7 and HX-5 Compact Line Array Speakers were used. Line arrays help to direct sound, reducing it from bouncing off surfaces, and instead, sending the sound right where it is needed, in clear, intelligible form. To cover the other rooms in the facility TOA's F Series Ceiling Speakers were used. These speakers provide a wide-dispersion coverage pattern, making them ideal for installation, as not only is intelligible sound achieved, it can be done with less speakers. The system is powered by the A-912MK2 Mixer Power Amplifier which controls and mixes up to eight independent input signals. The Mixer Power Amplifier delivers up to 120 watts of output power. Optional plug-in modules are available for use with mixer power amplifier to provide versatility for a wide range of operating applications. TOA's P-912MK2 Power Amplifier works with the A-912MK2 to delivers up to 120 watts of output power. The power amplifier also has an input port to accept one plug-in module.

## About TOA Canada Corporation

TOA Corporation was founded in Kobe, Japan over 80 years ago. TOA operates in over 100 countries worldwide, with manufacturing facilities found in nearly every major market area. These facilities have a reputation for precision design and fabrication, resulting in a proven track record of TOA product reliability.

TOA Canada Corporation was formed in 1990 as a complete sound solutions provider, specializing in commercial audio, including, public address, voice communications, voice evacuation and emergency paging requirements. TOA Canada offers complete solutions for all corporate and commercial audio communications and intercom security requirements.