

EXP2 is an optional accessory which can be mounted on MRK980 dual channel receiver.



This expansion board enables two different features:



Zoning Signal Distribution

It consists in connecting the audio of different receivers, tuned to the same frequencies and in true diversity configuration, obtaining the best audio signal on the MRK980 which acts as a master.



RF over Fiber

For reception without distance limits!
The fiber module allows to replace the coaxial cable and place the antennas miles away.



OTHER FEATURES

- This module allows you to significantly increase the versatility and functionality of the MRK980 receiver, adding Zoning functionality and RF Over Fiber reception.
- This board can be integrated in any MRK980 with option EXP0 (maximum one per receiver) even at a later time, should the need arise to implement one of the different features that this board offers.



ACCESSORIES & RELATED



Item: CAM25-980ZON
Audio cable for zoning, 25 cm
mini XLR 3pin Female to mini XLR
3-pin Female



Item: CAM200-980MON
Audio cable for External monitoring
cascade MRK980, 200cm
mini XLR 5pin Female to mini XLR
3-pin Male

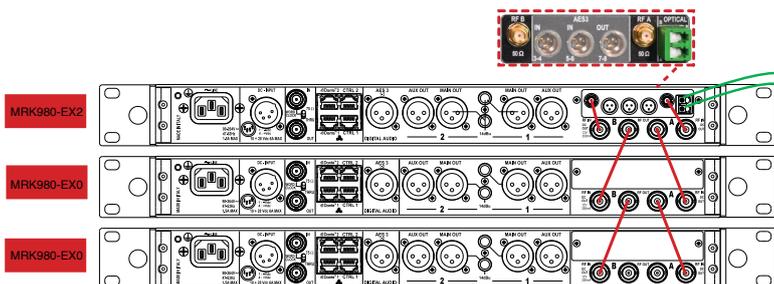
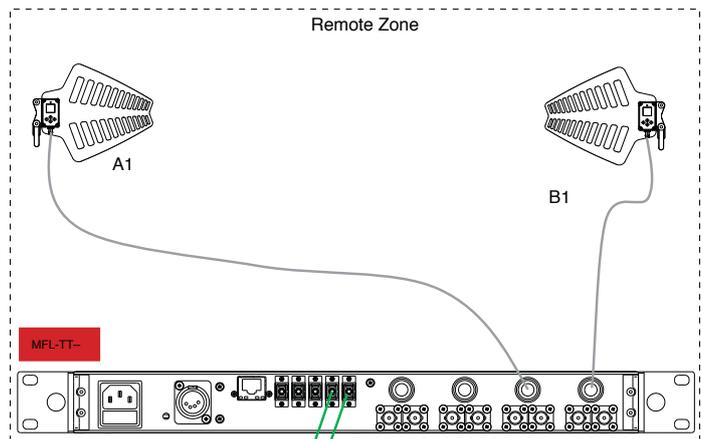
TECHNICAL SPECIFICATIONS

SPECIFICATIONS

Audio connector	Electronically balanced on 3 mini-XLR 3 pin Female connectors
Fiber connector	LC/APC duplex
Dimensions	20 x 94 x 220 mm (HxWxD)
Weight	130 g.
Pinout connection	<p>ZONING</p> <p>1 GND 2 CH+ 3 CH-</p>

RF Over Fiber Module

This wideband receiving optical module allows the MRK980 to receive RF over fiber signals from a source like Wisycom MFL and open the door to a completely new way of receiving antennas signals from further areas. This implementation massively enlarge the MRK980 reception possibilities by allowing to replace the regular coax cable with optical patches which have an average loss of only 0.4dB per Kilometer (0.12dB per thousand feet).



Zoning Signal Distribution

The Zoning (or N Diversity) signal distribution function consists of connecting different MRK980 receiver audio outputs in cascade. These receivers are all tuned to the same frequencies and connected through 3 pin XLR connectors. This type of configuration results in having the audio signal shared between the MRKs, so it's analyzed by the receivers and the one with the best quality signal will be picked to send the audio out. In the example below we have three different zones (3x A / B antennas) connected to three distinct MRK980s. The receivers, in turn, are connected to each other through the expansion board auxiliary audio outputs.

In the "master" receiver Main audio output (Unit 3) we will have the best audio signal resulting from the comparison of the three MRK980s in relation to the areas of use.

