

Several models of wireless video transmitters that transmit at 2.4 GHz can wreck wireless communication between the handset and MDR. The G4 radio system is the strongest system for rejecting interference and other issues caused by video transmitters, but it's possible for wireless interference to occur in any FIZ radio system. The FIZ 2 (G3) wireless system is more prone to interference from video transmitters, but there are a couple of things that can be done to at least minimize the chance of destructive interference:

- If possible, use video transmitters that transmit in the 5 GHz band. These will not interfere with FIZ communications at all as they are at a different frequency and have relatively low power output
- Utilize equipment such as a WiSpy to determine the best channel to set the video transmitter and FIZ transmitter to. You want the two systems to be at frequencies as far apart as possible. For more information, see the documents "The Wireless Jungle" and "Avoiding Microwave Interference" at www.prestoncinema.com/downloads.html
- Try to mount the video transmitter as far from the MDR antenna as possible. Most wireless issues are caused by the video transmitter overloading the MDR's antenna. This effect can be reduced by mounting the video transmitter away from the MDR's antenna
- If the video transmitter cannot be moved far from the MDR, you can relocate the MDR's antenna using SMA cable. To do this, remove the MDR's antenna and insert a length of SMA cable (make sure the polarity is correct). Attach the MDR antenna to the other end of the cable so that the antenna is as far as possible from the video transmitter

It's tough to get around wireless interference from video transmitters when using a FIZ I/II radio system. The best long-term solution is to upgrade to G4 wireless radios, which are substantially better at rejecting interference from other sources in the 2.4GHz band.