

Application Note 3

Talk Around Basic: Multiple X10DR units connected to one mobile radio



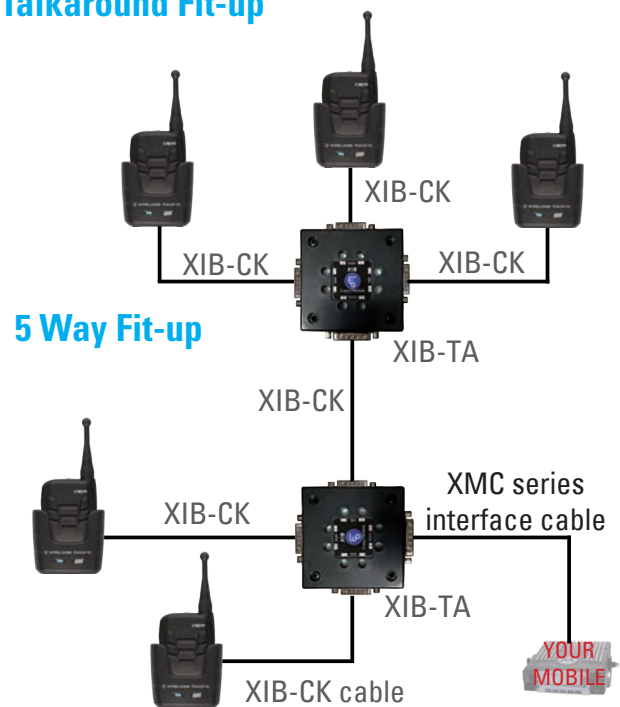
The XIB-TA allows users in a vehicle with multiple X10DRs connected to the mobile radio to have local (talkaround) operation where by those users can talk locally “off net” by using the orange side button as a secondary PTT. To talk over the radio channel, the normal PTT button is used. All host radio receive traffic will be heard regardless of local talkaround PTT status.
Note: No remote triggering of the host mobile radio’s emergency function is possible in this configuration

The XIB-TA connects to the host radio via a XMC series interface cable. Each X10DR connects to the XIB-TA by way of short 50cm (20”) XIB-CK connecting cables.

Note: Antenna placement for each X10DR X-Ponder is critical. Each antenna should be ideally placed >20” (50cm) from each other to minimize inter-unit interference. The antennas should also be positioned so that individual users experience similar coverage patterns.

Wireless Pacific recommend use of our **multi-polarity antennas** so that the best possible coverage is provided to each X10DR user. Multi-polarity antennas provide superior coverage in non ‘line of sight’ coverage situations, especially when talking into concrete walled buildings or around corners or other physical obstacles to line of sight communications.

Talkaround Fit-up



5 Way Fit-up

Antenna connections not shown