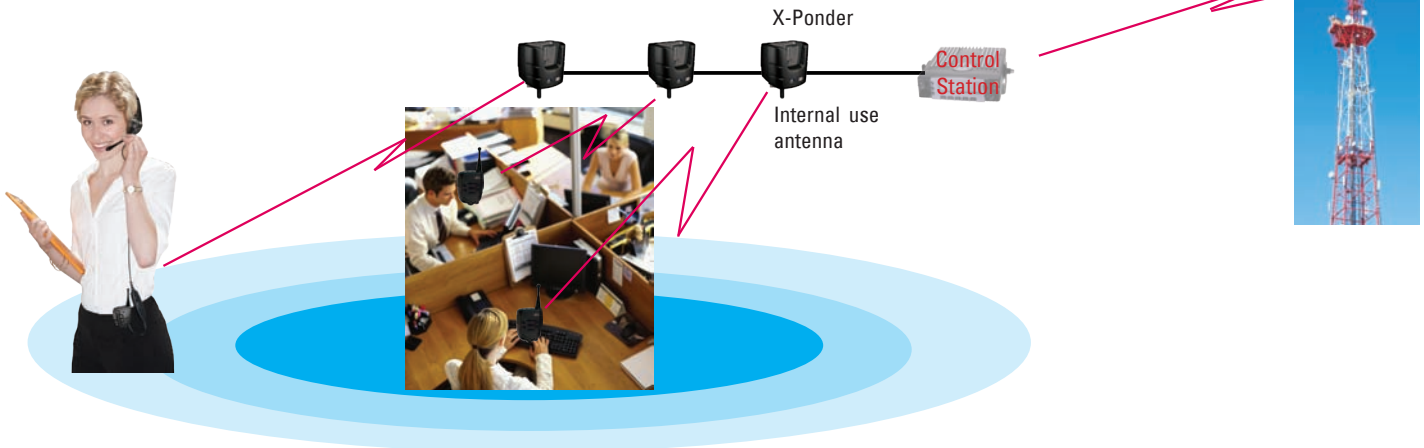


## Application Note 7

### X10DR units in the office connected to one Control Station



X10DR is ideal for helping free up deskbound radio operator personnel whose other job responsibilities often cause them to leave the radio control station unattended. A radio dispatcher equipped with an X10DR is now free to move around the office. Additionally, in situations where a number of staff share radio dispatch responsibilities, or where a shift supervisor, or the office in charge may also need to monitor radio traffic, use of a XIB interface box connected to the control station will allow all users to hear each others communications as well as all conversations over the network. Equipping control room staff with X10DR ensures someone will always be available to take an urgent or emergency call even when taking a rest break. For many office situations use of the standard supplied X-Ponder internal use antenna will provide sufficient coverage helping reduce initial installation costs.

To further compliment the office environment, using an X10DR equipped with the Hirose® audio port allows use of lightweight noise cancelling headsets to minimize ambient noise in the control room.

Each X10DR connects to the XIB by way of short 50cm (20") XIB-CK connecting cables. Multiple XIBs can be connected where connection to more than 3 units are required.

**Note:** Antenna placement for each X10DR X-Ponder is critical. Ensure each antenna whether internal or external are 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 when longer distance communications are required. 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.

### 3 operator control station fit-up

