

PSM700 “Frequency Locator Mode” Instructions



Frequency Locator Mode – Introduction

The Shure PSM700's exclusive Frequency Locator Mode allows the monitor engineer to quickly determine the optimal frequencies for interference-free operation of the PSM700 system. With all transmitters off and a single receiver in Frequency Locator Mode, the engineer can scan all 32 frequency channels to find any unwanted outside interference, improving the system's performance.

In Normal Operation Mode, the P7R is muted if a signal from a P7T transmitter is not detected. In Frequency Locator Mode, however, the P7R is always unmuted. This allows the P7R to “hear” all transmissions within the PSM700 bandwidth. With all P7T transmitters turned off, any transmissions “heard” by the P7R are signals that are not generated by P7T's. The frequency channels containing these signals should not be used.

Setup for Frequency Locator Mode

1. Turn ALL P7T transmitters OFF.
2. Turn ON all other equipment to be used, including lighting, cameras, computers, etc.
3. Choose a P7R receiver to use in Frequency Locator Mode.
4. Turn the above receiver OFF.
5. Attach earphones to the receiver's earphone jack.
6. Open the receiver's battery door and set DIP switch 1 to Group 1.
7. Set the rotary switch on the P7R to frequency channel 1.
8. With battery door still open, turn the P7R ON.

IMPORTANT: KEEP VOLUME SETTING AT MINIMUM

In Frequency Locator Mode the receiver is not muted, and sound burst may occur!!

9. Within 5 second of power ON, flip DIP switch 1 from Group 1 to Group 2, and then back to Group 1. This process enables the Frequency Locator Mode. The P7R will remain in this mode until the bodypack is turned OFF.
10. With ALL P7T transmitters OFF, listen to all frequency channels in Groups 1 and 2.

NOTE: Clear channels will produce white noise through the earphones. Any other sounds (clicks, buzzes, etc.) on any channel are not PSM700 transmissions, since all P7T transmitters are OFF. Avoid any channels that do not exhibit pure white noise.

11. Locate an appropriate number of clear frequency channels for the application.
12. Turn the P7T receiver OFF. Upon turning P7R back ON, the receiver will return to Normal Operation Mode.
13. Turn all P7T transmitters ON and tune then to the clear frequency channels selected.
14. Tune the corresponding P7R receivers to the clear frequency channels selected.

Your PSM700 system will now provide you with interference-free wireless personal monitoring.