

1. Introduction

Mobile device applications that enable remote control of components are becoming commonplace in the A/V world, and are increasingly expected by professional-level users. They can vastly simplify setup, allow the user freedom of movement during setup and untether them from the mixing console to audition audio levels in different areas of the performance space.

Shure high-tier wireless systems that are Ethernet networkable (Axient, ULX-D, QLX-D, PSM1000)* will offer mobile device control as a necessary value-added benefit to current and prospective users.

*) In a first step, the mobile app will support our latest product releases. We are considering to also offer mobile monitoring and control functionalities for UHF-R at a later date.

2. Target group

All current and prospective Axient, ULX-D, QLX-D, PSM1000 customers and users who own an iPhone, iPod Touch, and/or iPad.

3. Product at a glance

ShurePlus Channels extend monitoring and remote control of compatible Shure wireless systems to iOS devices. The app relays critical channel information including RF, audio, and battery levels, and allows for the remote adjustment of wireless system settings. When combined with ShowLink Remote Control, the application enables remote control of Axient transmitter settings from an iOS device – an industry first from Shure.

3.1 Free Monitoring Features *(free in basic download version)*

Automatic discovery and easy connection to networked Shure systems from an iOS mobile device over WiFi. **Real-time, precision monitoring of critical device parameters:**

- RF level metering
- Audio level metering
- Transmitter battery level
- Frequency assignments with band, group, and channel info
- RF interference indicator
- Encryption status (ULX-D and QLX-D)
- Frequency Diversity status (ULX-D and Axient)
- ShowLink signal strength (Axient)

3.2 Paid Control Features *(in-app purchase required to unlock)*

Remote wireless channel control of:

- **Axient, ULX-D, and QLX-D receiver settings**

- Frequency assignment
- Audio output level adjustment
- Audio output muting
- Channel and device naming
- Menu locking

- **PSM1000 transmitter settings**

- Frequency assignment
- RF muting
- RF output power level
- Audio input gain
- Audio input level
- Audio mode
- Channel and device naming
- Menu locking

- **Axient transmitter settings when combined with ShowLink Remote Control**

- Transmitter gain
- RF mute
- RF output power level
- Frequency changes
- Device name
- Menu locking

3.3 System Requirements

- iOS7
- iPhone 4S, 5, 5C, 5S
- iPod Touch 5th generation
- iPad Air, iPad 2, iPad with Retina Display, iPad Mini