OpenLP
109

*Is everything ready for Overhead Worship Service?*

# JESUS

Amazing Grace [P][C][A]
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# HTTP versus HTTPS

What are the differences? HTTPS is HTTP with encryption and verification. The only difference between the two protocols is that HTTPS uses TLS (SSL) to encrypt normal HTTP requests and responses, and to digitally sign those requests and responses. As a result, HTTPS is far more secure than HTTP.

However, with a WiFi OpenLP LAN the “HTTP” is OK with no WWW connection. That’s why in the previous OpenLP 108 training we setup an HTTP LAN by disconnecting from the HTTPS World Wide Web Internet (WWW).

Until OpenLP development finds the appropriate engineer to update the OpenLP Server to run on HTTPS, I have some workarounds that will help in setting up a HTTP WiFi OpenLP LAN at your church.

# WorkAround for IP Address Conflicts

Most Modem/Routers use the IP ADDRESS range: 192.168.0.1 **to** 255 for LANs at home and church. My Fiber Net at home uses this range for all my devices in my home. When I tried setup a network using the NETGEAR it used the same rance causing conflicts when trying to set up my WiFi OpenLP LAN.

Therefore, on my Windows 11, I opened iTunes from Apple, logged into my Account, and connect my iPhone to a USB port on my computer. Apple does not use this IP ADDRESS range for WiFi/Cellular Personal Hotspots.

From a CMD window I ran “ipconfig” and had no IP Address conflict.
Ethernet WWW Internet was: IPv4 Address. . . . . : 172.20.10.11
OpenLP Wifi Internet was: IPv4 Address. . . . . : 192.168.0.15

# WorkAround New 2023 Browser

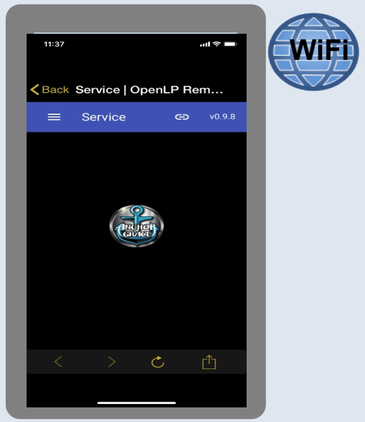
Windows 10/11 browsers commonly used in 2023 are Microsoft Edge, Google Chrome, and Mozilla Firefox using strict HTTPS controls.

Therefore, on my Windows 11, I've installed Portable Apps (from PortableApps.com) on a USB Stick, and under "Network" apps I've install Google Chrome (Legacy Win7).  I use a USB stick in each Windows laptop or desktop in the church. With this old HTTP Chrome release I can easily connect to the OpenLP for the "Stage" monitors for the worship singers and to the "Chords" monitors for the worship band.

IPhone & Android smartphones and pads will **probably not** have IP Address conflicts and can connect to the OpenLP WiFi LAN at SSID OpenLP-5G or OpenLP-2G using the QDR code on OpenLP App.

# Setup OpenLP Service on WIFI LAN

Smart Phone
(Like iPhone or Android)





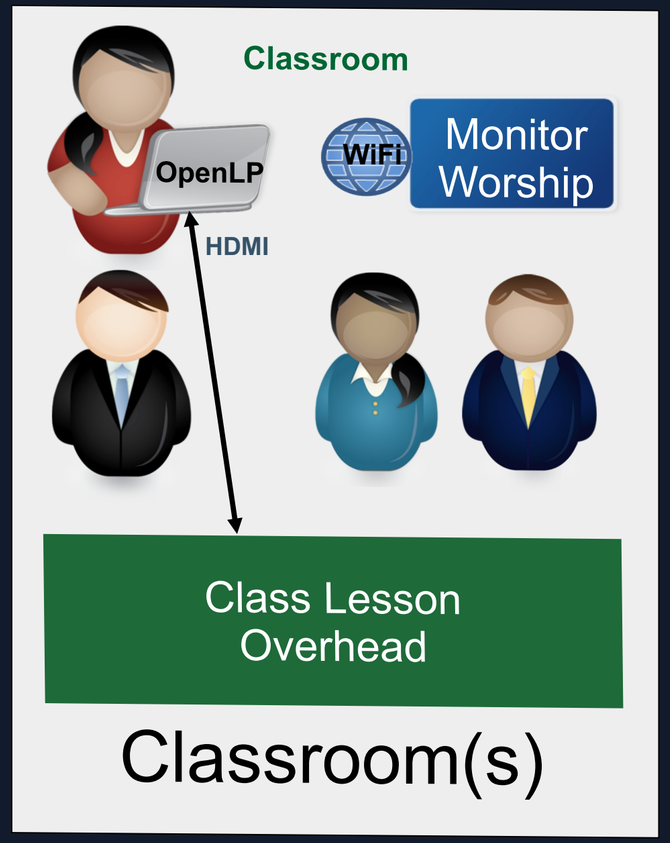


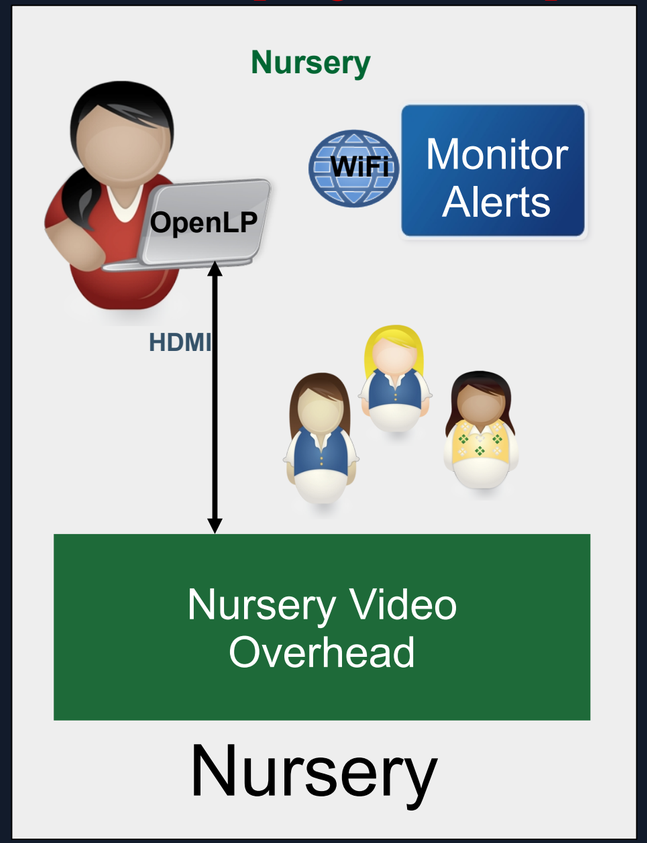
Overhead Projector Display

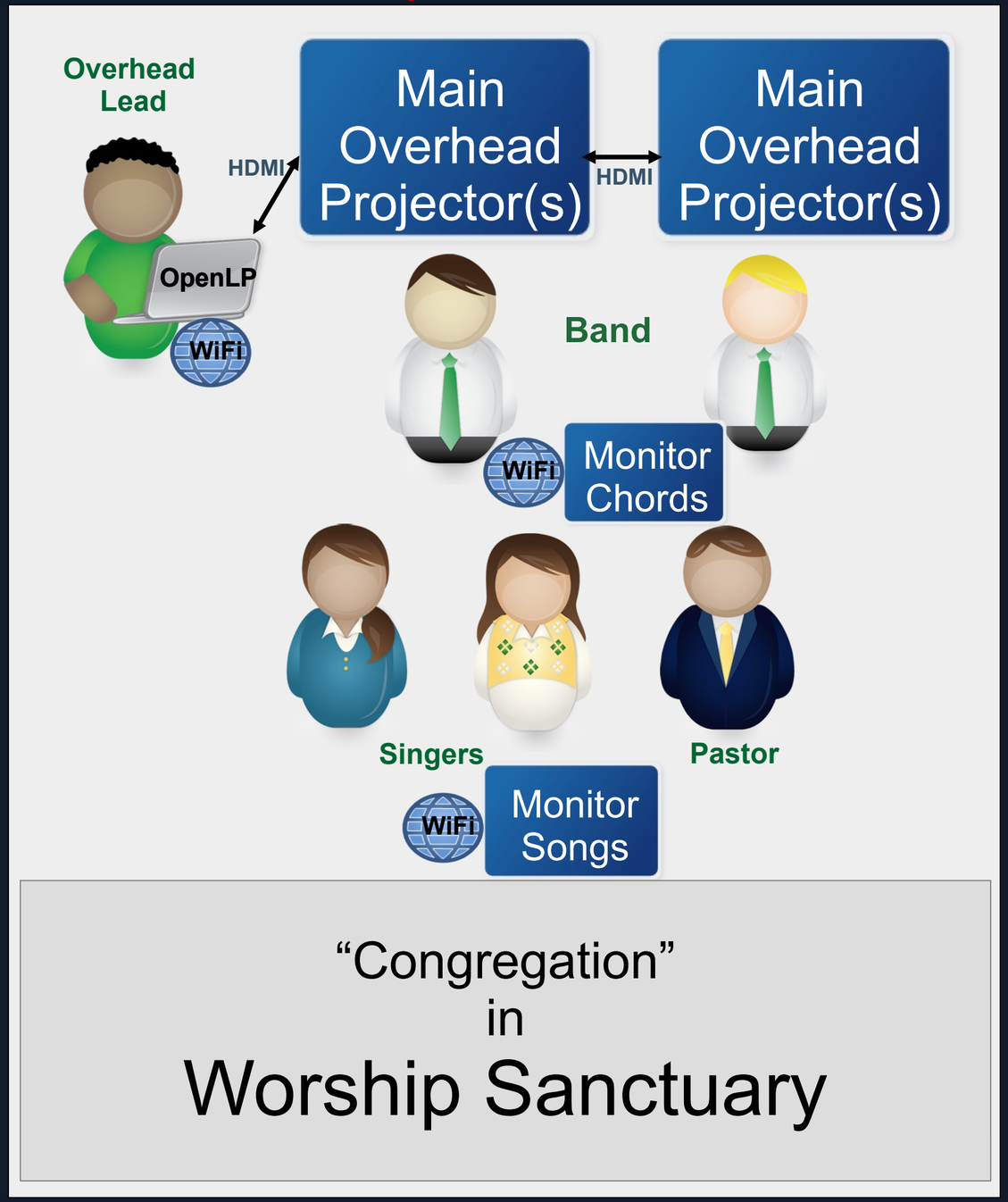
Overhead Projector <u>PC</u> at Church
(Windows 10)

WIFI Router
(i.e. Netgear)

*God's Children, Worshiping God in Spirit and Truth as the Body of Christ!*




# Church Operations Center

***"OpenLP can Help Pull it All Together"***
***Learn How It Works! It's FREE!***

# Synopsis of OpenLP WIFI LAN

OpenLP gives you the ability to control the Service remotely. You can use an iOS or Android smartphone to control or monitor the entire service remotely at the stage, classroom or anywhere in your facilities that has a OpenLP WIFI Lan connection to your OpenLP Server PC. The **Server AND** the **smartphone** use the OpenLP SSID IP:Port as obtained using the Windows MS DOS “ipconfig” command. The overall steps to setting up the Remote devices are listed below:

(1) Record the “WiFi” IP address **<IP>** “WiFi” of the Server PC connected to the Overhead projector(s).

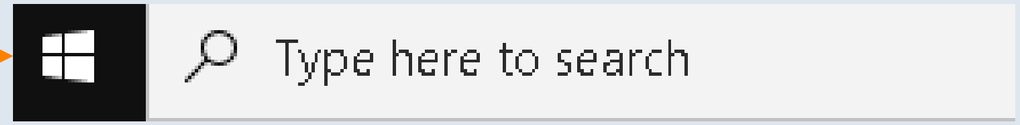
(2) The OpenLP Server PC communicates to all devices over **<IP>:Port 4316** (example: *192.168.0.13:4316*)

(3) Setup all portable devices by scanning the QDR code in OpenLP Settings at the OpenLP Server PC.

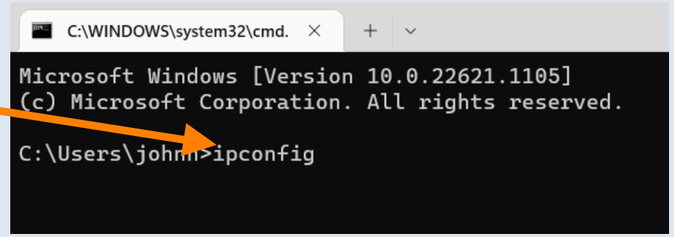
(4) Laptops and PCs in other locations must connect to the OpenLP SSID from Router
- (a) On Laptops and PCs open a browser like FireFox, Chrome, or Microsoft Edge for one of the following:
  - (1) **<IP>:Port 4316/** use for Web Remote Control of OpenLP running on OpenLP Server PC
  - (2) **<IP>:Port 4316/stage** use for monitor on stage where worship singers can see music **lyrics**
  - (3) **<IP>:Port 4316/chords** use for monitor on stage where worship band can see music **chords**
  - (4) **<IP>:Port 4316/main** use for overflow areas, classrooms where others can view the **overhead**

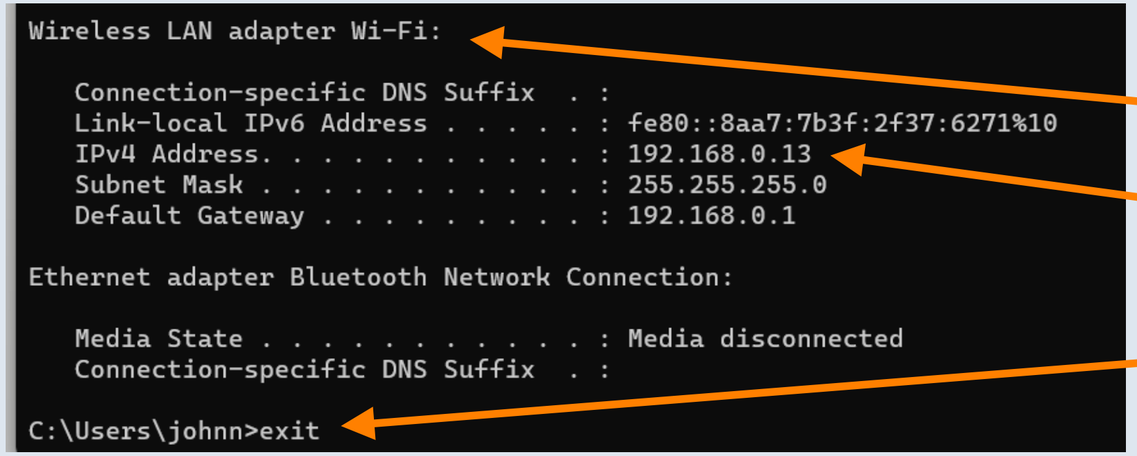
# Record WIFI IP for Web Remote

(1) Type “**cmd**” in the Windows Search on the Taskbar and press **Enter** key to open Command Prompt window.




(2) Type “**ipconfig**” and press Enter




(3) **Scroll-down** and **Record** IPv4 address for:
“**Wireless LAN adapter WiFi**”

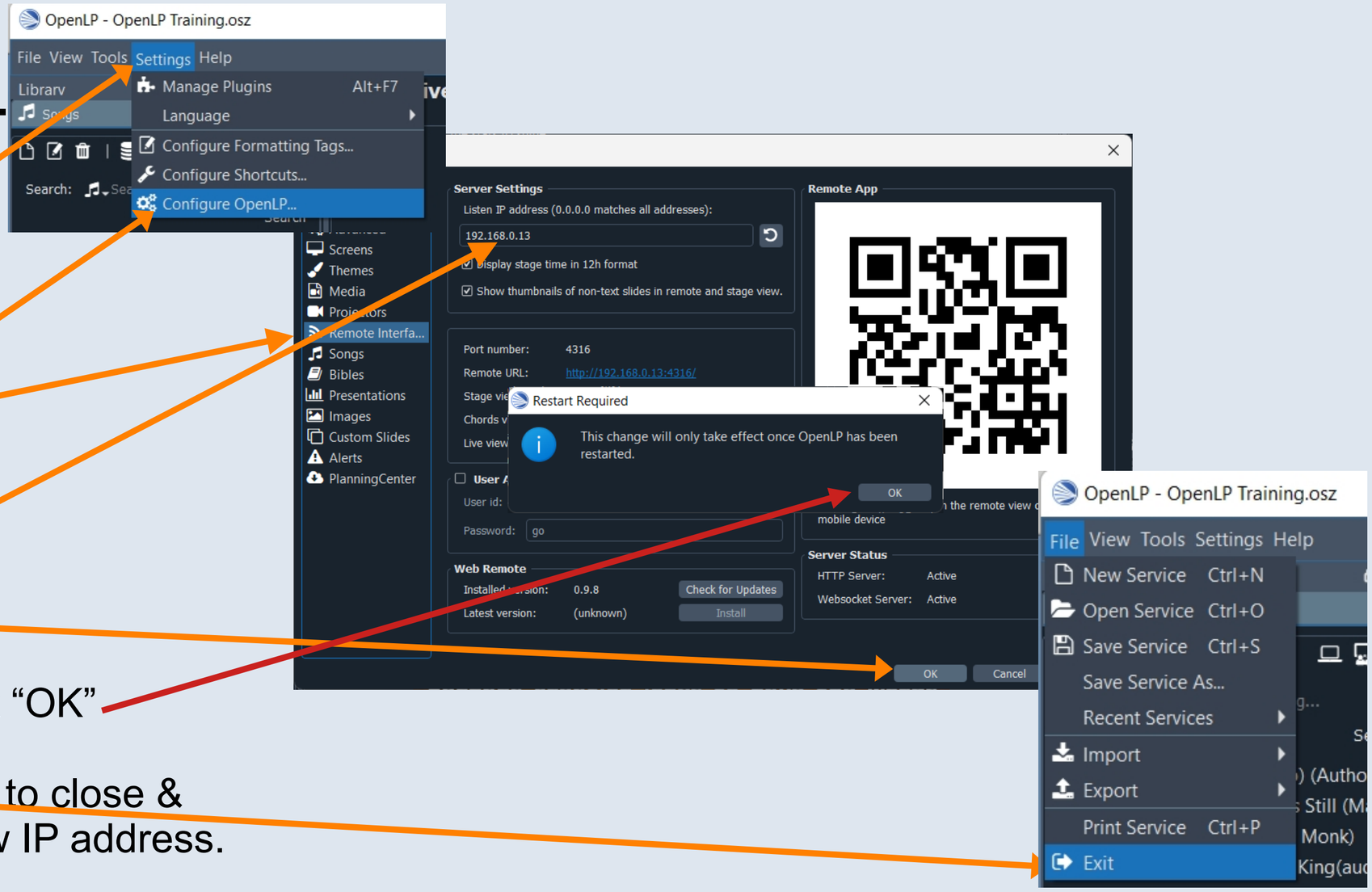
**“192.168.0.13” in example**

(4) Type “**exit**” and press Enter to close the Command Prompt window.

# Add WIFI IP Address into OpenLP

**Start OpenLP Application.**

- IP =**192.168.0.13** in example
- Left-Click “Settings” and select “Configure OpenLP...”
- Left-Click “Remote”
- Enter recorded IP address.
- Left-Click “OK”
- Restart Required opens, click “OK”
- Select “File, Exit” for OpenLP to close & **Start-OpenLP** again with new IP address.



# Setup Smartphone WIFI to “OpenLP-5G”

Setup the WIFI on your smartphone so that the WIFI is turned ON and select “OpenLP-5G” (Wireless SSID setup during previous training for OpenLP Local Area Network (LAN).

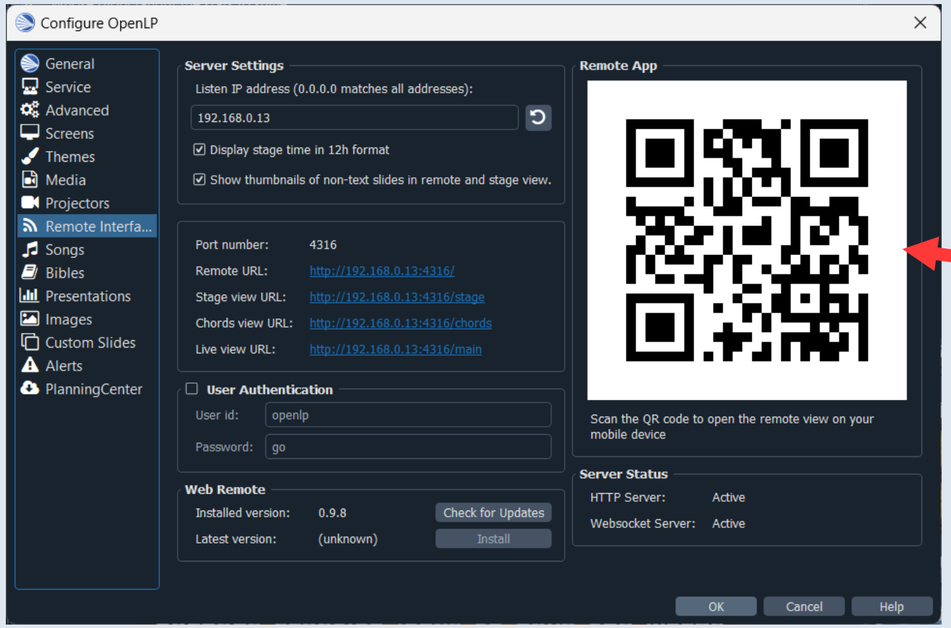
iPhone Example

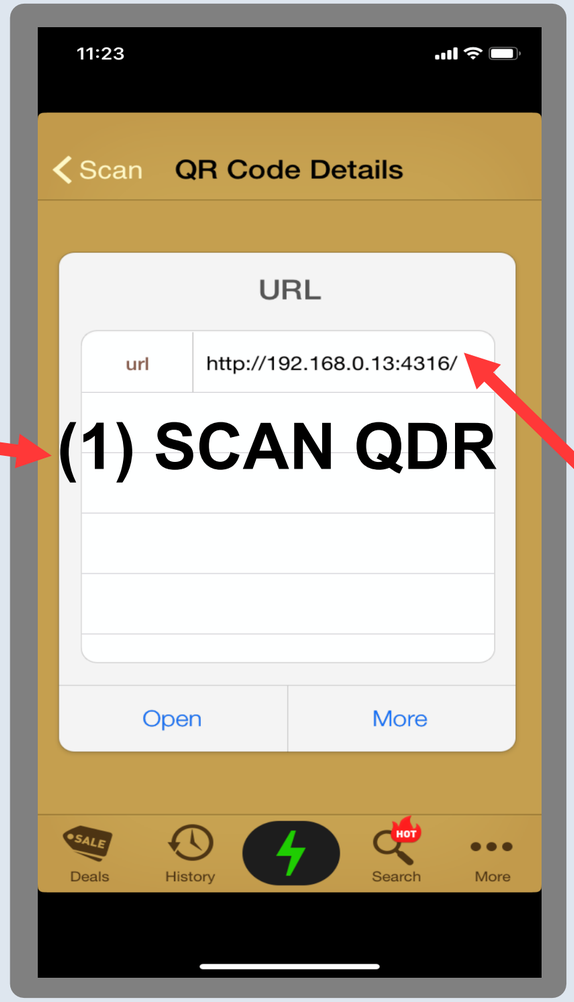
WI-Fi to **ON**

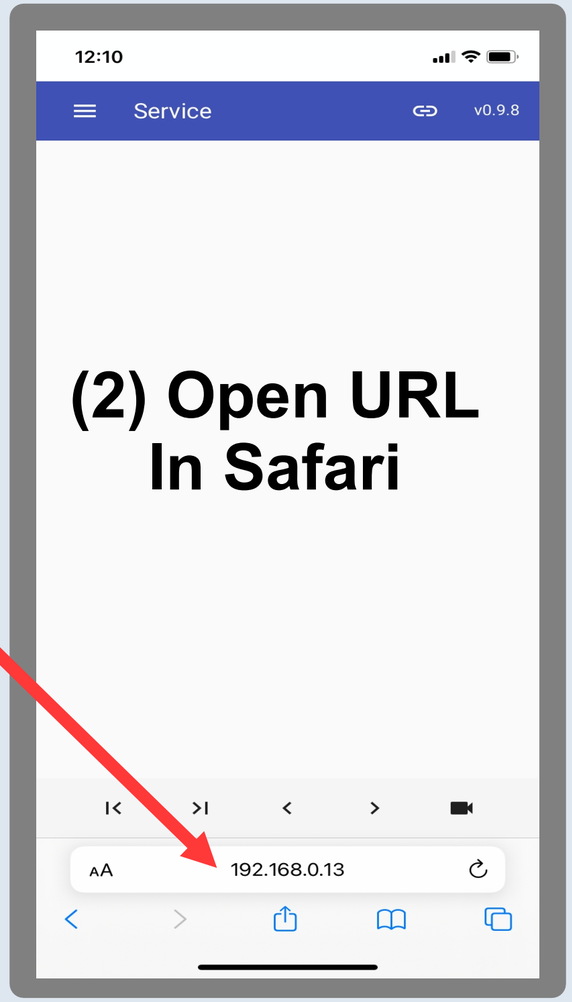
**OpenLP-5G**
SSID selected

# Scan QDR for OpenLP WIFI IP

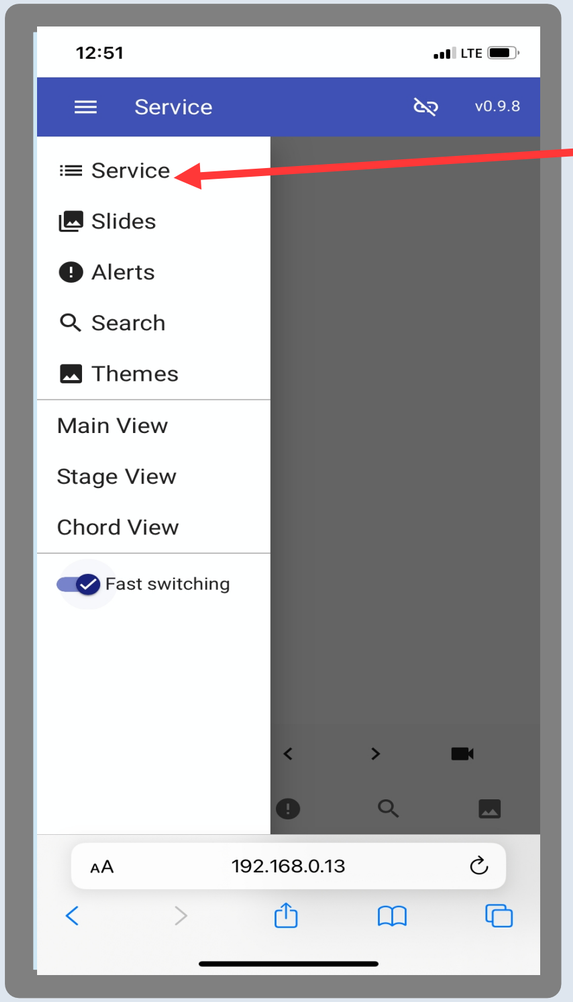
OpenLP Web Remote WIFI IP is automatically captured from the QDR image in the OpenLP Configuration Settings, then will click Open to view WIFI IP in smartphone Browser (Safari below) .



# Open Service Controls on Web Remote

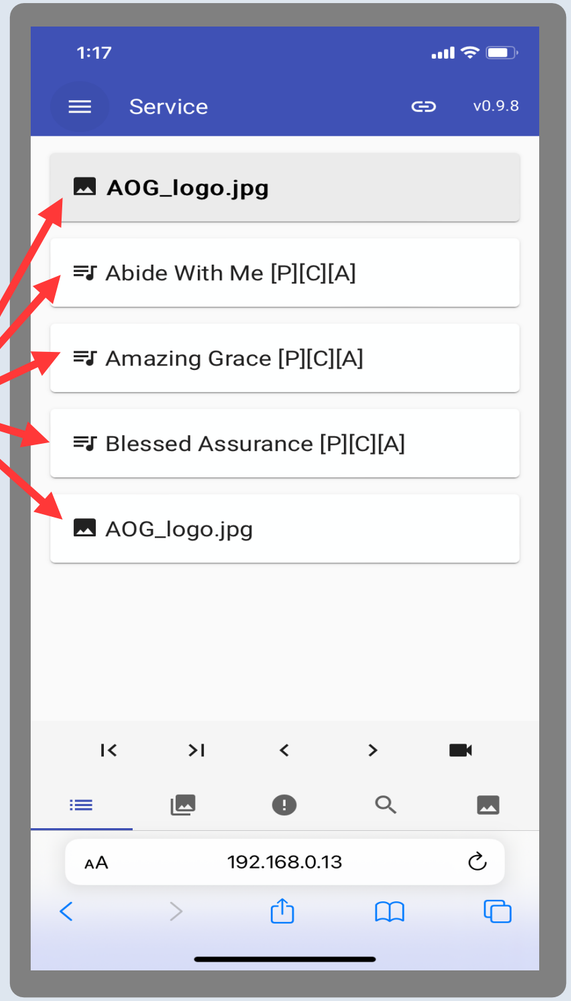



Click **Sevices** on the Menu

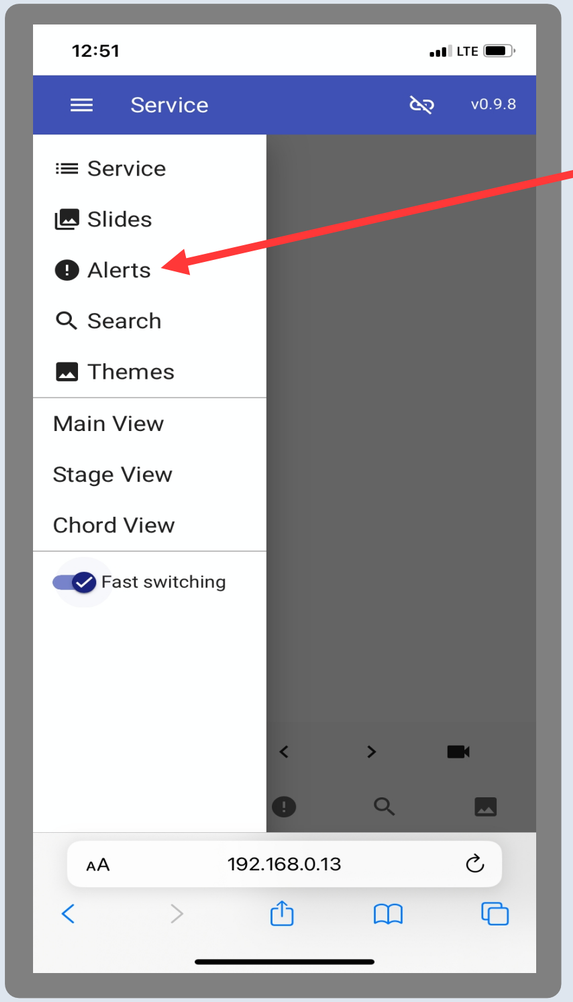
If a **Service** has been loaded in OpenLP Server then,

**Service Items are** displayed

Each item in the service can be controlled from **OpenLP** or from the **Web Remote**



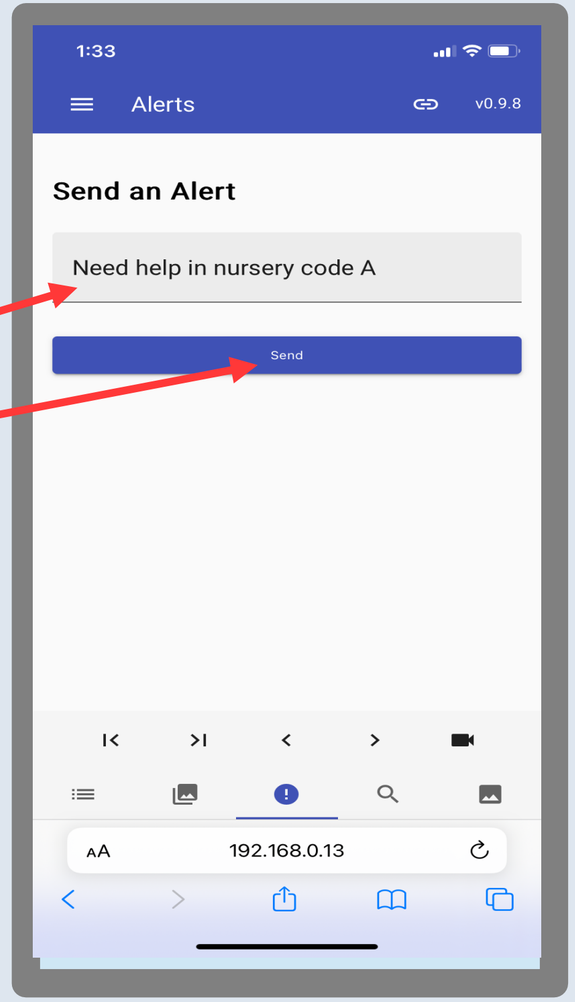
# Send Alert on Web Remote



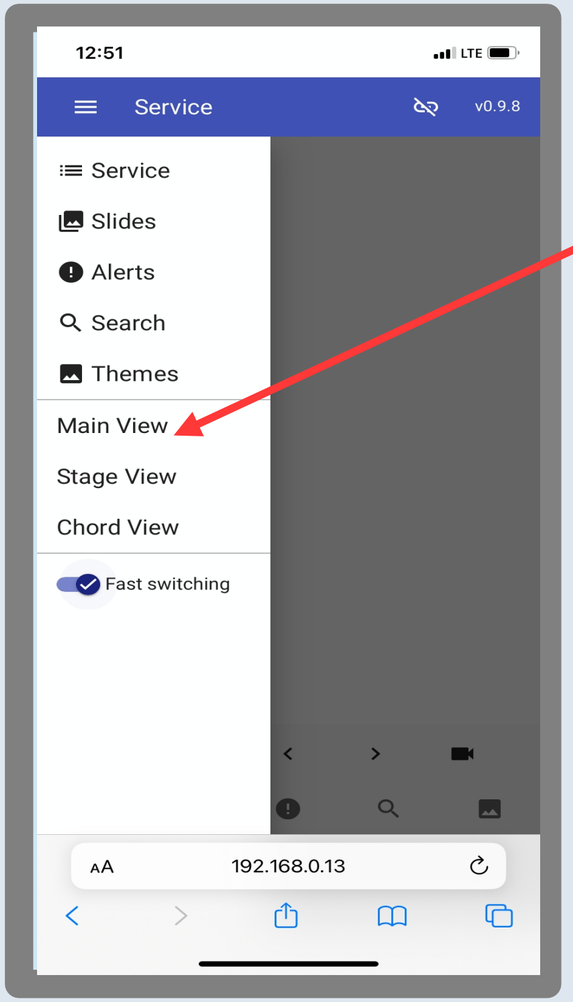

Click **Alert** on the Menu

**Type** Message here

Press the **Send** button
And the *Alert message*
will scoll across the
bottom of the Main
Screen *“everywhere”*
about 10 seconds



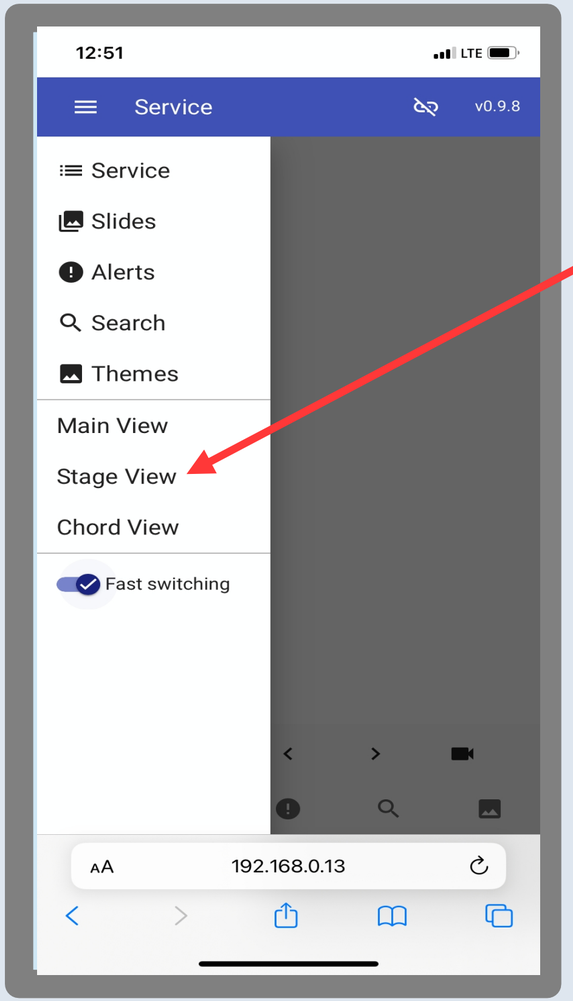
# Monitor Main View on Web Remote




Click **Main View** on the Menu

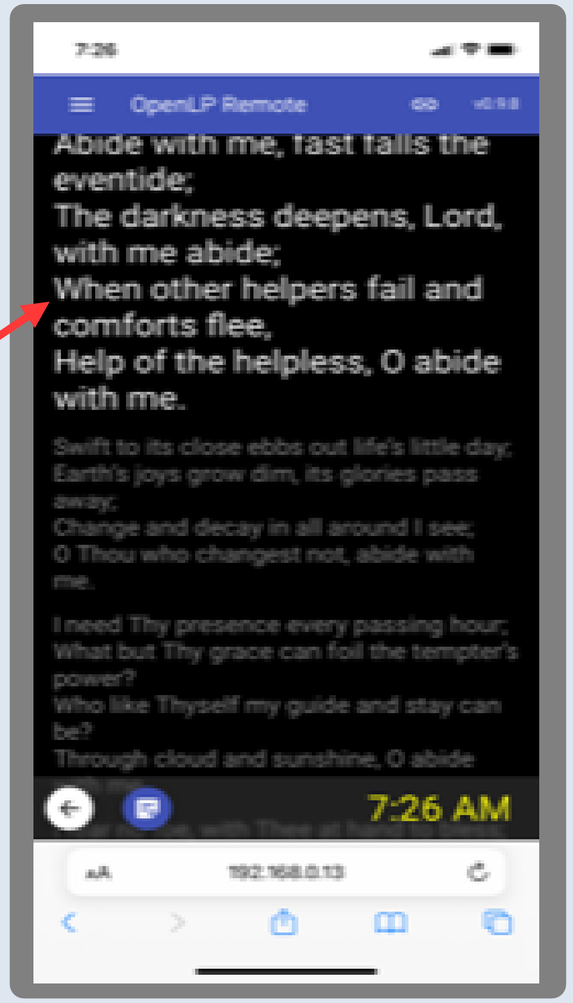
The **Main** display from the Sactuary Overhead projectors is is displayed

# Monitor Stage View on Web Remote

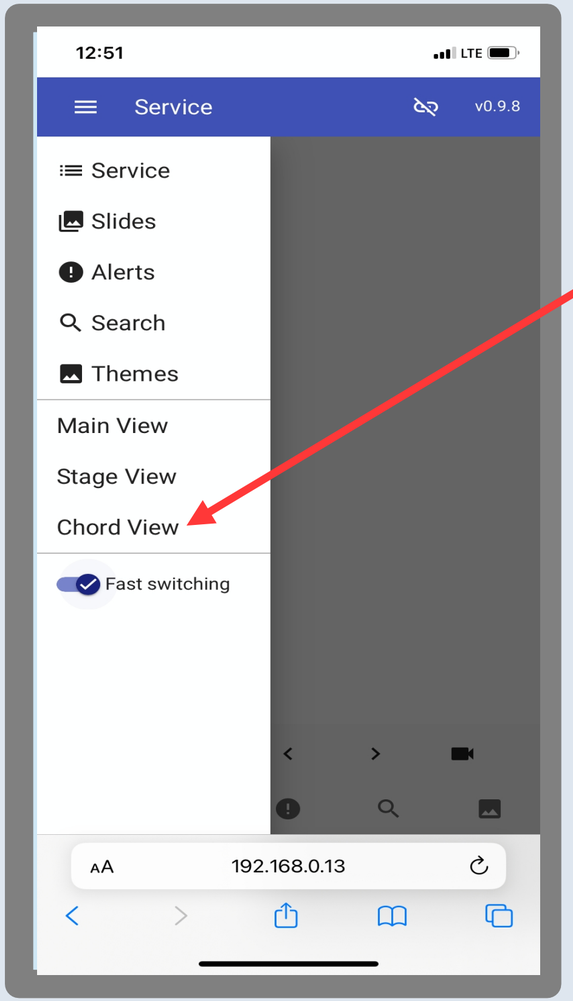



Click **Stage View** on the Menu

The Verse currently being displayed is in **Bold** and the next verse coming up is NOT in Bold

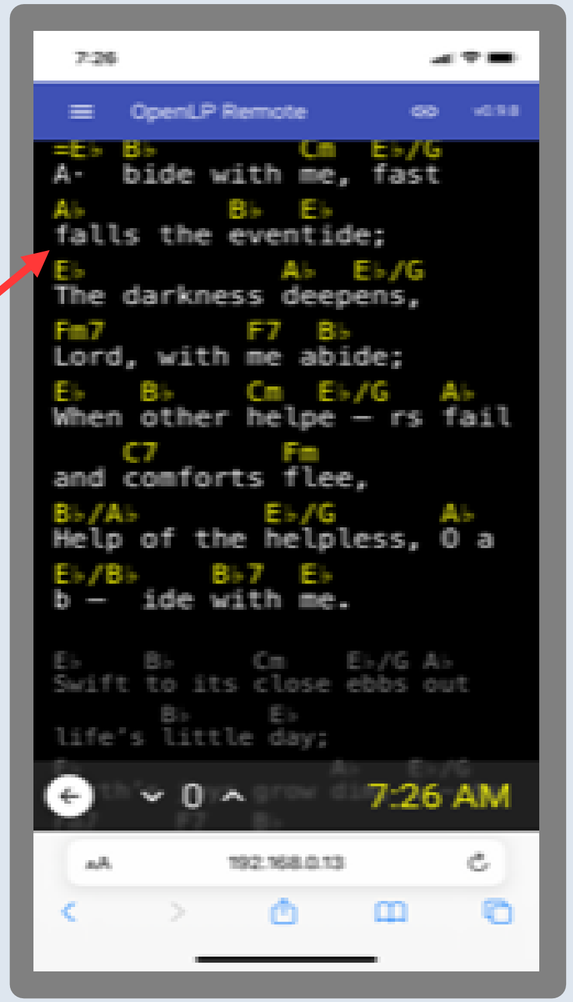


# Monitor Chord View on Web Remote




Click **Chord View** on the Menu

The Verse currently being displayed is in **Bold** and the next verse coming up is NOT in Bold



# Setup Stage Monitor PC For Singers

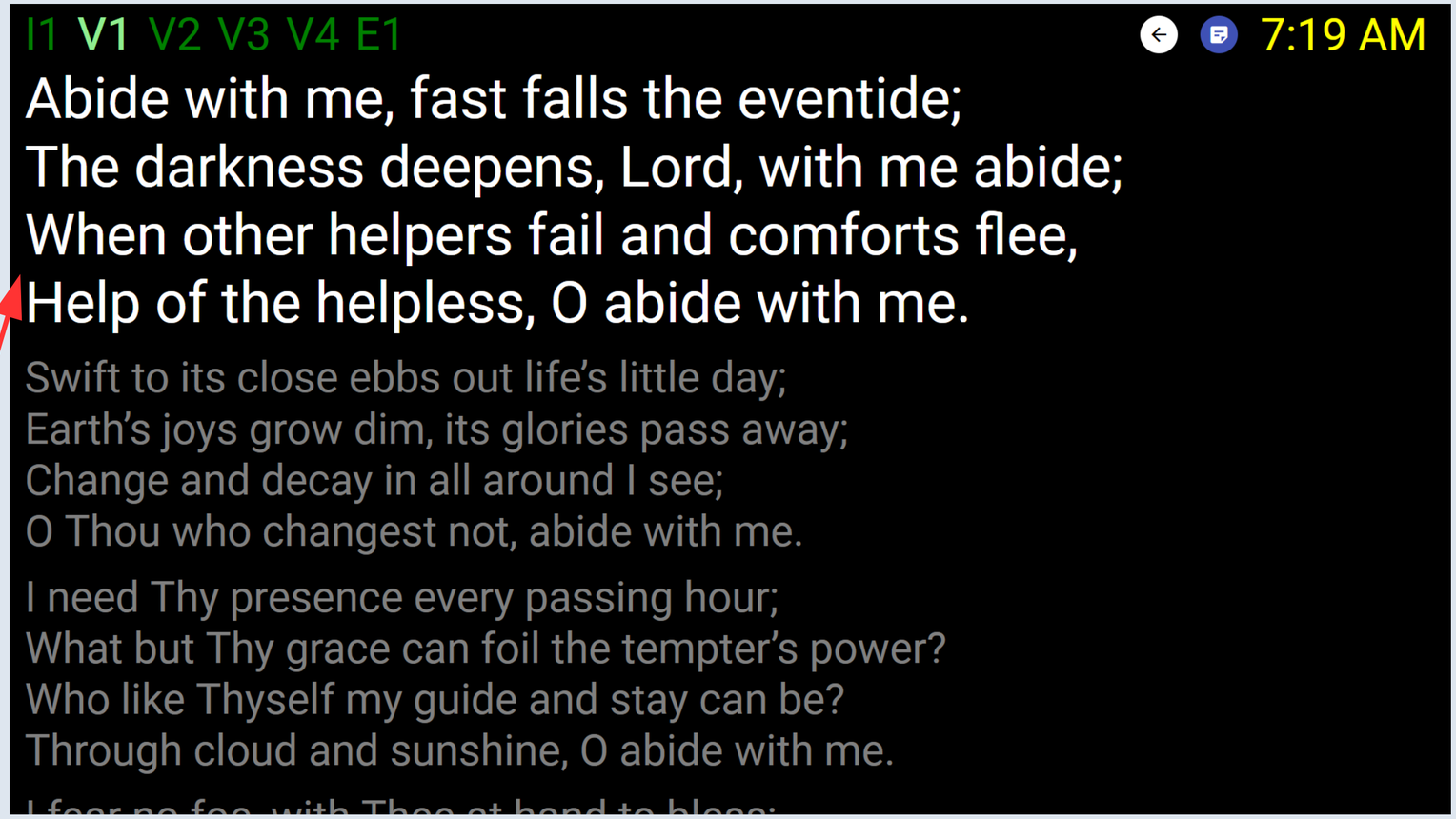
Setup this IP address on Browser (IE, Firefox, Safari, etc.) on Stage for Worship Singers

- Open an Internet Browser on stage with smartphone, iPad, PC, laptop, etc. that is connected to the same WiFi LAN as the Overhead PC.

- Enter IP "192.168.0.13:4316/**stage**"
- for the Browser URL in in example and press "Enter"

- Press F11 in browser for full screen viewing of songs on stage.

  The worship singers can now watch the current verse and the upcoming verse of the song being played. Current time will is displayed in upper right.



# Setup Chord Monitor PC For Band

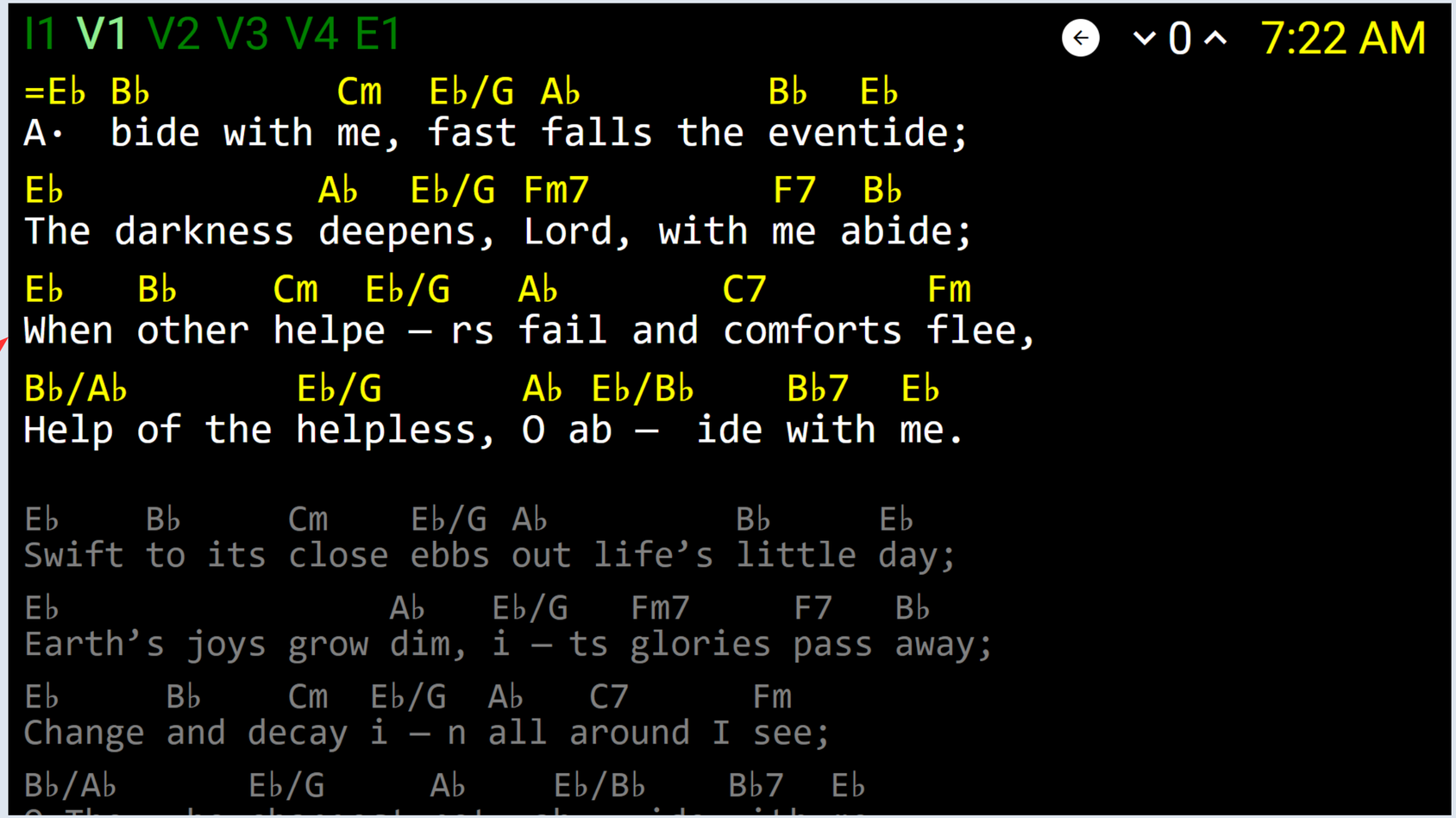
Setup this IP address on Browser (IE, Firefox, Safari, etc.) on Stage for Worship Singers

- Open an Internet Browser on stage with smartphone, iPad, PC, laptop, etc. that is connected to the same WiFi LAN as the Overhead PC.

- Enter IP "192.168.0.13:4316/**chords**"
- for the Browser URL in in example and press "Enter"

- Press F11 in browser for full screen viewing of songs on stage.

The worship band can now watch the current verse and the upcoming verse of the song being played. Current time will is displayed in upper right.



# OpenLP Remote Ready

The OpenLP Remote application on your smartphones and PC monitors on stage for for worship singers & band should be ready to use.

**ALSO Note**

The OpenLP Web Remote can be used to remotely control the service.
With the new OpenLP 3.0.x series, any smartphone can open the Link
Shown in the Remote Interface of OpenLP settings on the smartphone browser.

In our example:  192.268.0.13:4316/