



**NFL GSIS**

**Clock Transmitter User Guide**

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**National Football League**

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(212) 450-2600  
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## Document Identification

**Title:** NFL GSIS Clock Transmitter User Guide

**Subject:** NFL GSIS Clock Transmitter application

**Version:** 1.0

**Date:** 6/20/17

**Author:** Mike Perri

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## Overview

The NFL GSIS Clock Transmitter is an application that listens for a clock feed on UDP 21300 and transmits the game clock's ticks in real time to GSIS (Game Statistics and Information System) Stat Entry servers.

## Requirements

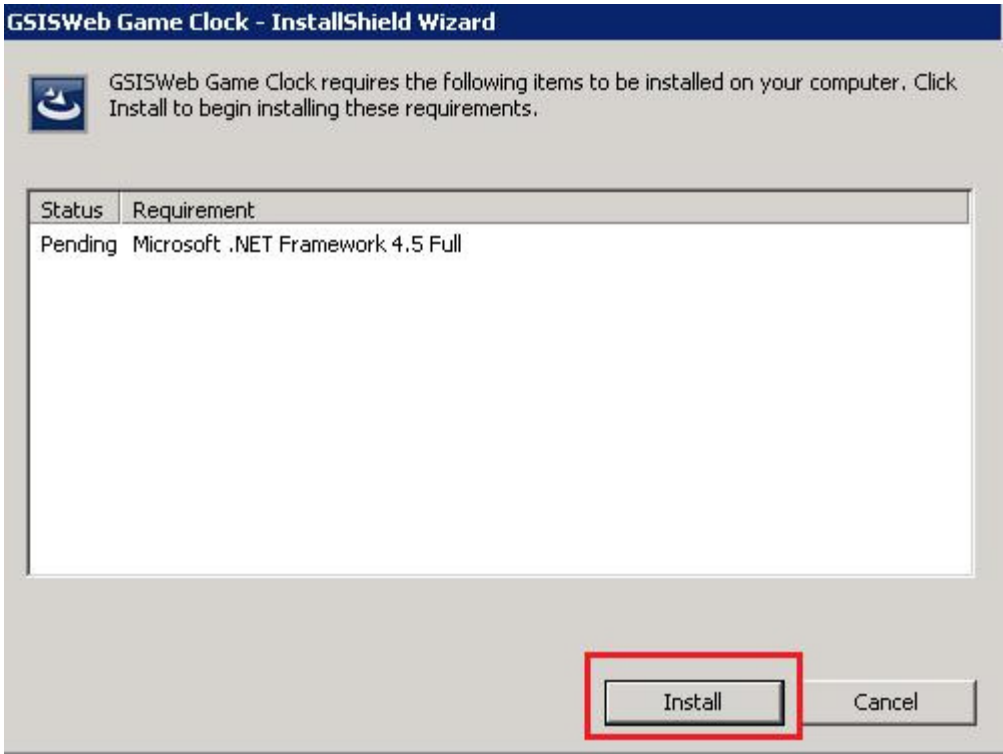
- Windows PC
- 'Setup.exe' installer file
- Microsoft .NET Framework 4.5 or higher (included in install folder)
- Broadband internet connection

# Installation

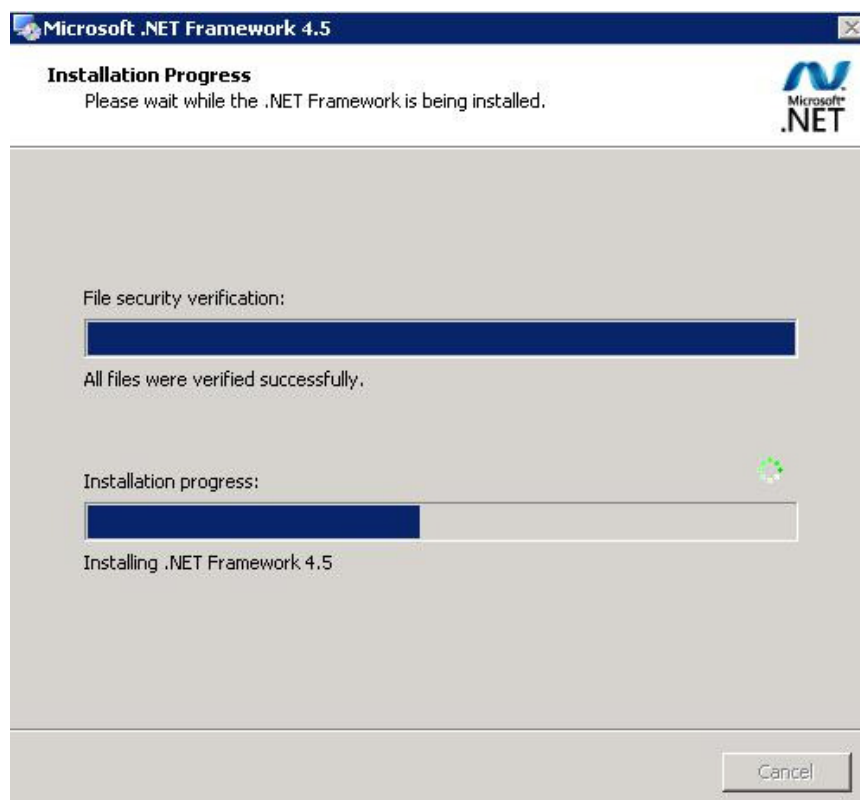
1. Locate and run the 'setup.exe' file.

Name	Date modified	Type	Size
ISSetupPrerequisites	3/2/2017 6:44 PM	File folder	
setup.exe	3/2/2017 5:36 PM	Application	2,674 KB

2. If the PC you are installing on does not have Microsoft .NET Framework 4.5 or higher, you will be prompted to install it. Select 'Install' as the .NET Framework is required to run this program. **NOTE:** If your PC already has the correct .NET framework, you will not see this screen and will instead be brought directly to the Install Wizard for the Clock Transmitter. If this is the case, please skip to Step 4.



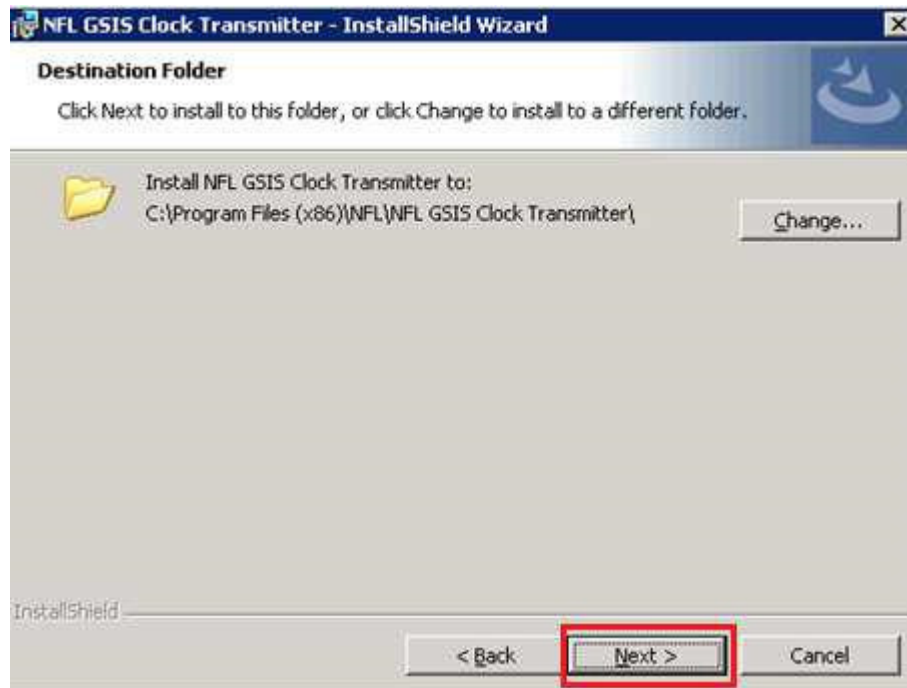
3. The Microsoft .NET Framework 4.5 will automatically begin extracting and installing the files. When completed, you will be brought to the Install Wizard for the clock transmitter (see Step 4).



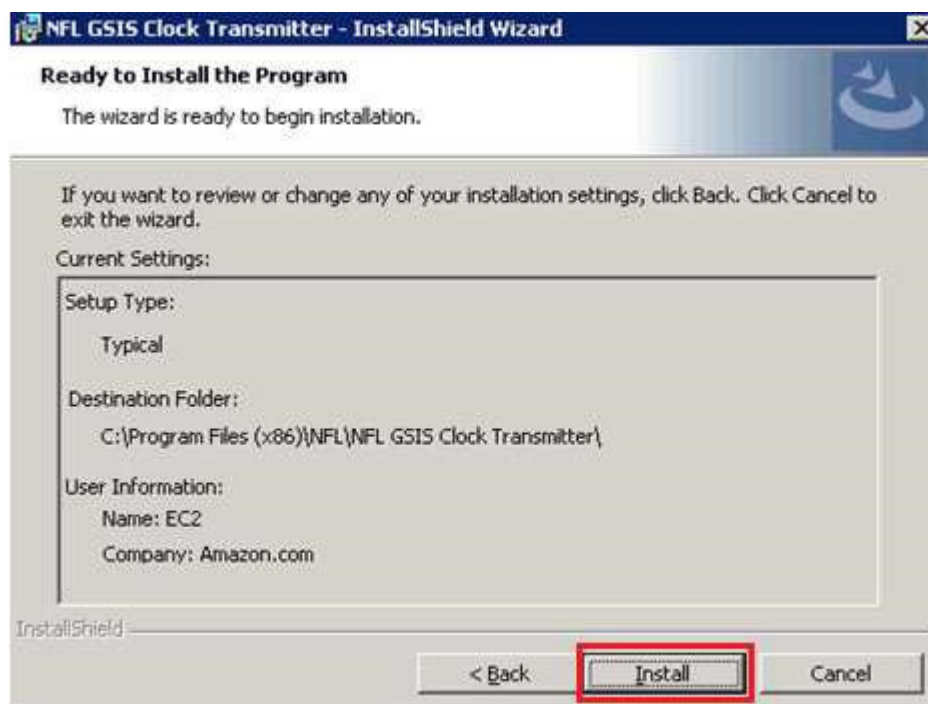
4. Select 'Next' on the welcome screen of the Install Wizard.



5. Select 'Next' on the Destination Folder screen to put the program files in the default location (Program Files (x86)\NFL\NFL GSIS Clock Transmitter\). If you would like to change the location where the Clock Transmitter app will be stored, select 'Change...', choose a new file location, press 'OK', and then select 'Next'.

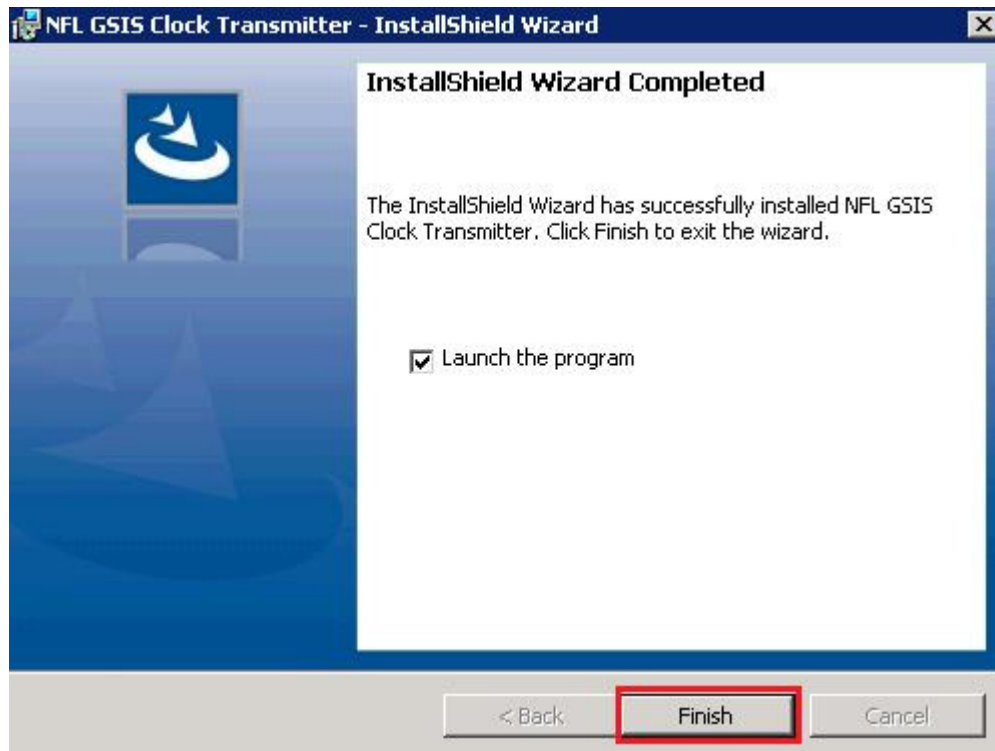


6. Review your installation settings and use the 'Back' button if you need to make any changes. When you've confirmed the settings are correct, select 'Install'.





7. When the installation process is done, press 'Finish'. This will complete the installation process, close the Install Wizard, and launch the NFL GSIS Clock Transmitter. If you do not wish to have the program open automatically, simply uncheck the 'Launch the program' box before pressing 'Finish'.



## Using the Application

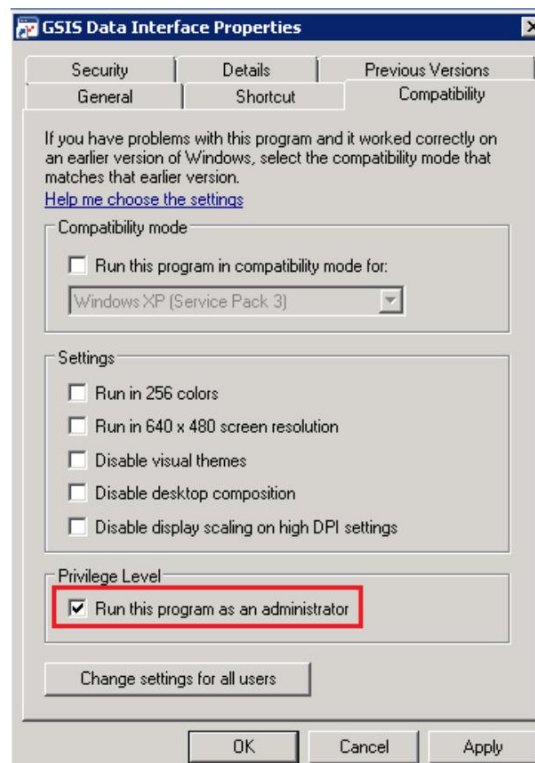
### Starting the Application

1. If not already running, press Shift+right-click on the 'NFL GSIS Clock Transmitter' desktop icon and select "Run as Administrator." Running as an administrator will allow the program to automatically update if needed. If the "Run as Administrator" option is not available, simply double-click the desktop icon, or select 'NFL GSIS Clock Transmitter' from the Start menu.



2. If the app is being run by a user that is a local admin, they should complete the following steps in order to allow the app to always run as an administrator:

- Right-click the 'NFL GSIS Clock Transmitter' desktop icon
- Select 'Properties'
- Click on the 'Compatibility' tab
- Check the 'Run this program as an administrator' checkbox



## Login

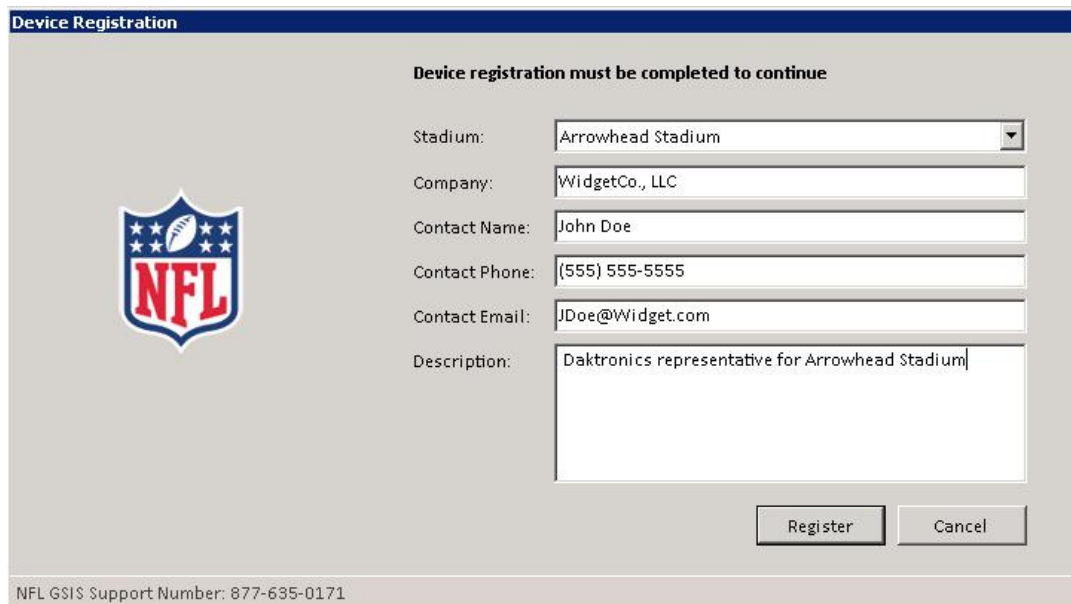
3. The first time you run the program, it will open on the Log In window. Here you will need to enter your NFL provided username and password. Select “Log In” when finished.



The image shows a login window titled "Please log in...". On the left is the NFL logo. To the right of the logo, the text "Please sign in with your NFL account" is displayed. Below this text are two input fields: "Username:" and "Password:". To the right of these fields are two buttons: "Log In" and "Cancel". At the bottom of the window, the text "NFL GSIS Support Number: 877-635-0171" is displayed.

## Registration

4. Following a successful log in, you will need to fill out the Registration page. All fields except for Description are mandatory. Press “Register” when finished.

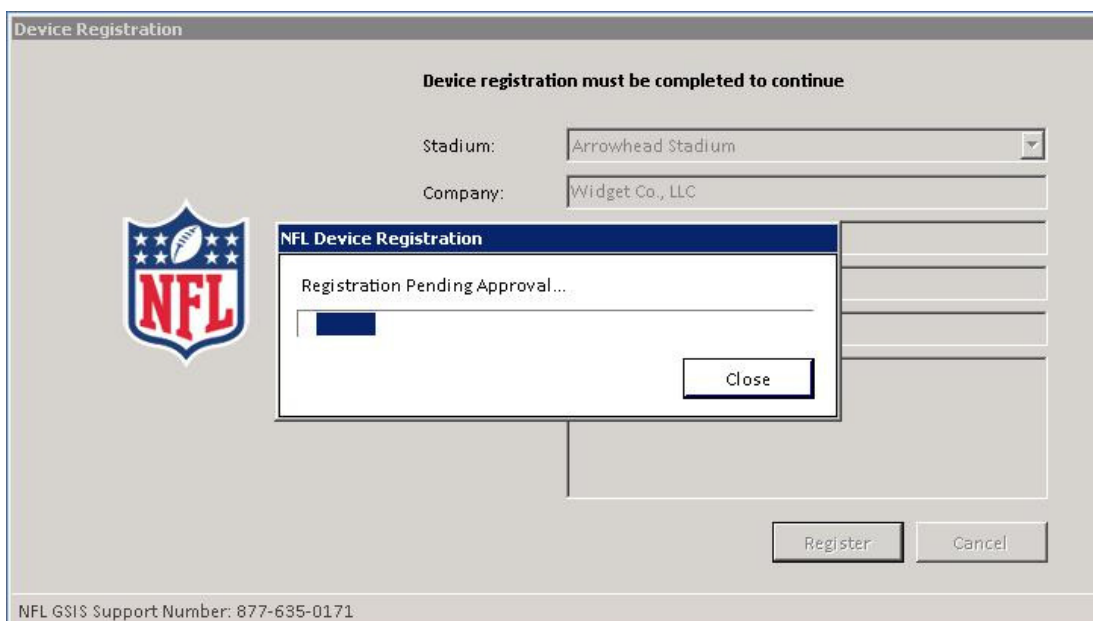


The screenshot shows a web form titled "Device Registration". On the left is the NFL logo. The main heading says "Device registration must be completed to continue". The form contains the following fields:

- Stadium: Arrowhead Stadium (dropdown menu)
- Company: WidgetCo., LLC
- Contact Name: John Doe
- Contact Phone: (555) 555-5555
- Contact Email: JDoe@Widget.com
- Description: Daktronics representative for Arrowhead Stadium

At the bottom right are "Register" and "Cancel" buttons. At the bottom left, it says "NFL GSIS Support Number: 877-635-0171".

5. Once you’ve filled out the registration form, your device registration is pending. This screen will remain until a GSIS Admin has confirmed your registration. To get your registration approved, you may contact NFL GSIS Support by phone at (877) 635-0171.



This screenshot shows the same "Device Registration" form as before, but with a modal dialog box overlaid in the center. The dialog is titled "NFL Device Registration" and contains the text "Registration Pending Approval...". Below the text is a progress bar that is approximately one-third full. A "Close" button is located at the bottom right of the dialog. The background form is partially obscured by the dialog. The "Register" and "Cancel" buttons are still visible at the bottom of the main form. The support number "NFL GSIS Support Number: 877-635-0171" is at the bottom left.

## Clock Settings

6. After a GSIS Admin has approved your registration, the pending approval window from Step 4 will close, and you will be brought to the Clock Settings tab. This tab will show you your selected stadium and game, and allow you to begin sending the clock feed. Below is an explanation of the sections of the Clock Settings tab.

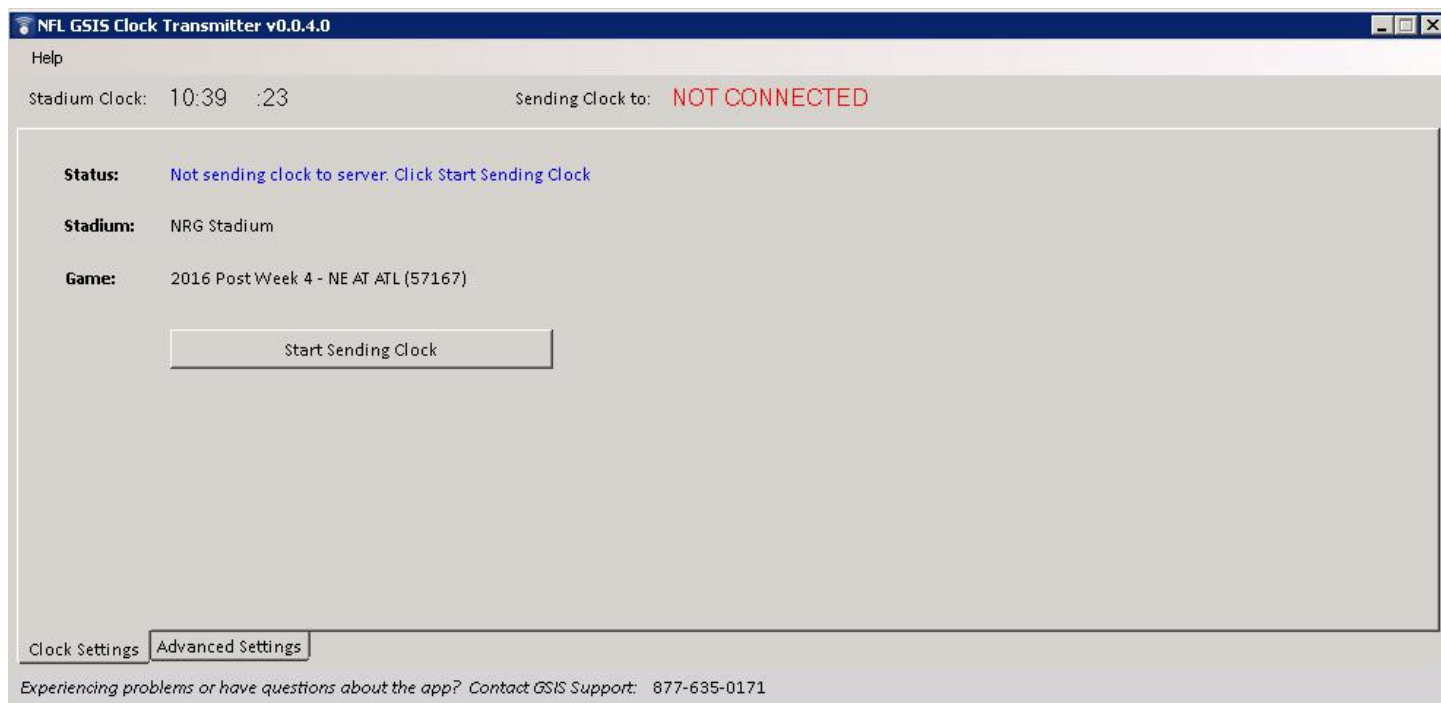
The 'Stadium Clock:' section will display the game clock and play clock times. If the times are not shown here, it means that the transmitter is not detecting the clock.

The 'Sending Clock to:' section will, when connected, show the link to the GSIS Entry page for the game that the clock is being sent to (ex: Game04.NFLGSIS.com).

'Status:' displays the current status of the clock's connection to the server.

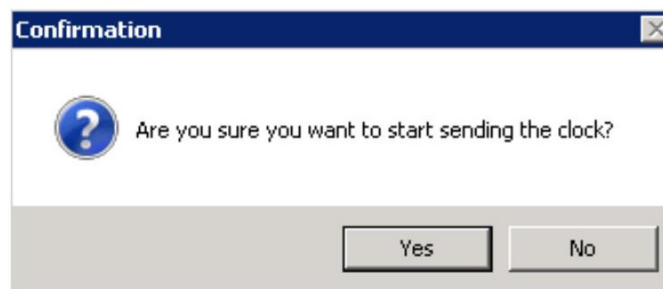
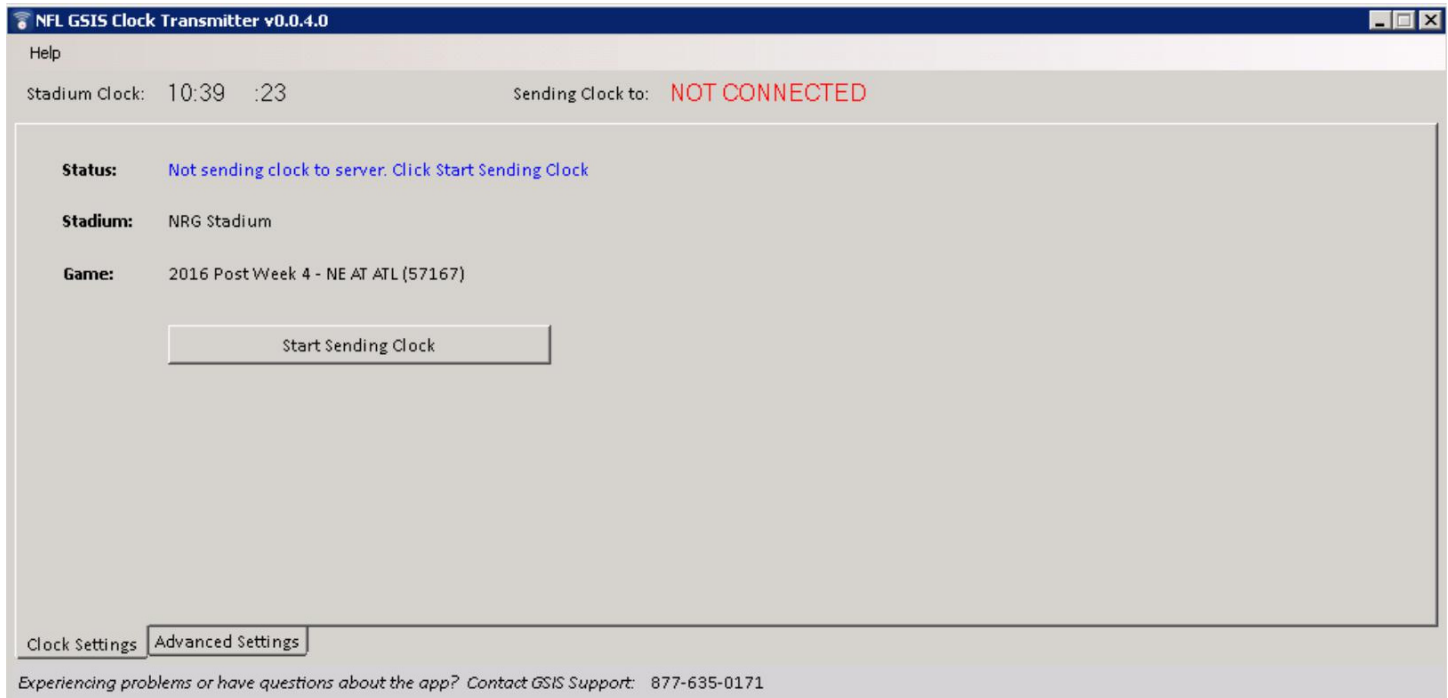
'Stadium:' shows the stadium that you are registered to.

When a game in the current week for the stadium you are registered with is detected, 'Game:' will display that game's information (season, season type, week, teams, and gamekey)

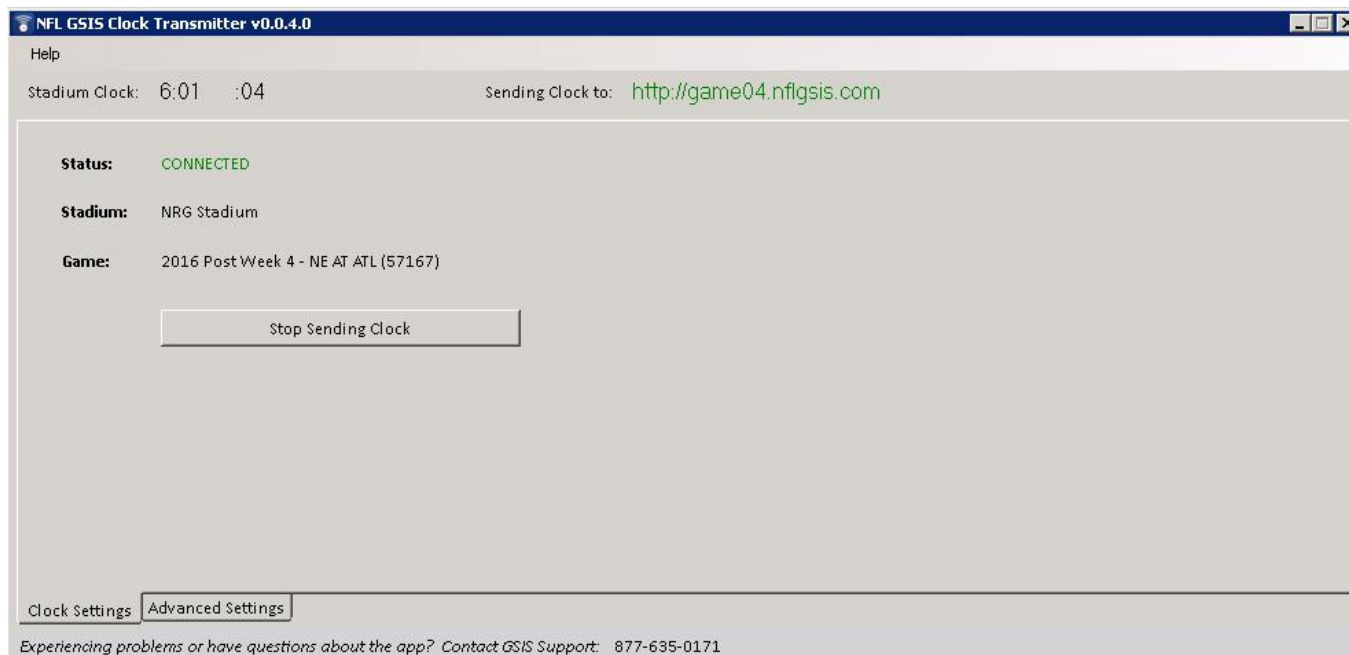


## Starting/Stopping the Clock Feed

7. To begin sending the clock, press the “Start Sending Clock” button and “Yes” on the confirmation window.



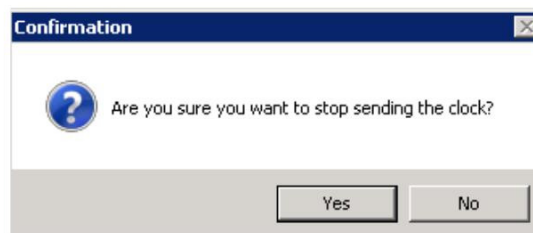
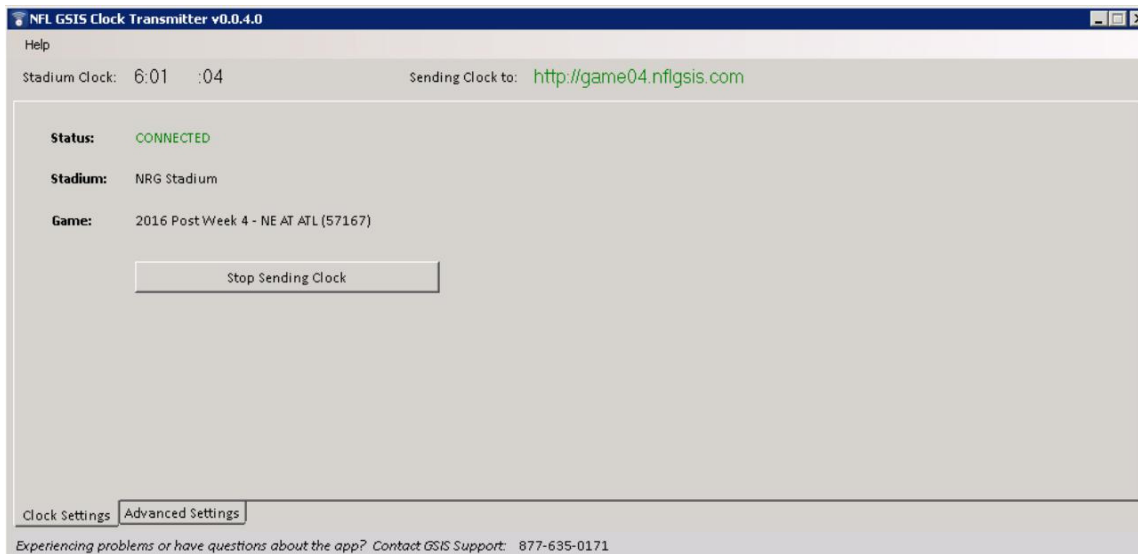
8. Your Status is now Connected and your clock feed is being sent. Both the game clock and play clock feeds are visible in the "Stadium Clock:" field in the upper left corner. The URL that the clock feed is being sent to is visible in the "Sending Clock to:" field in the upper middle of the screen.



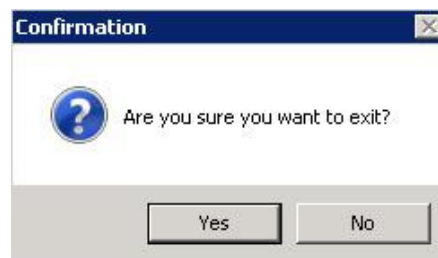
9. You can now minimize the Clock Transmitter app if needed and the clock feed will continue running. If the clock feed ever stops being received while the app is minimized, a notification bubble will appear in your taskbar.



**10.** If you wish to stop sending the clock feed to your selected stadium at any time, select the “Stop Sending Clock” button, then select “Yes” on the confirmation window.



**11.** To exit the NFL GSIS Clock Transmitter, select the 'X' in the upper right hand corner, then select “Yes” on the “Are you sure you want to exit?” dialog box. **NOTE:** If you have an existing clock feed, exiting the app will stop it.



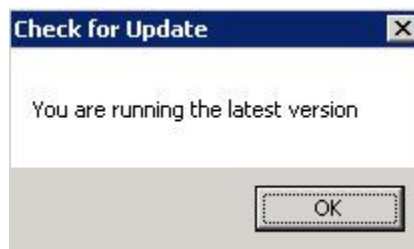


## Help Menu



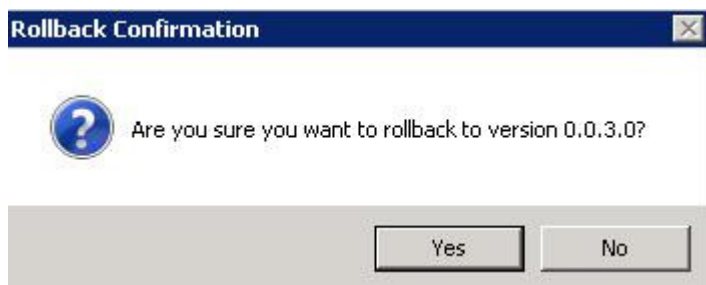
## Check for Updates

When you start the app, it will automatically run a check to make sure you have the latest version and prompt you if a new version is available. If you want to run this check manually, select this Help menu option to make sure that you are running the most current version of Clock Transmitter. If you are, a “You are running the latest version” dialog will appear. If you are not, you will be prompted and asked to download the newest version. **NOTE:** This app must be run in Administrator Mode in order to auto-update. To run in Administrator Mode, press Shift+right-click the desktop icon and select “Run as Administrator”.



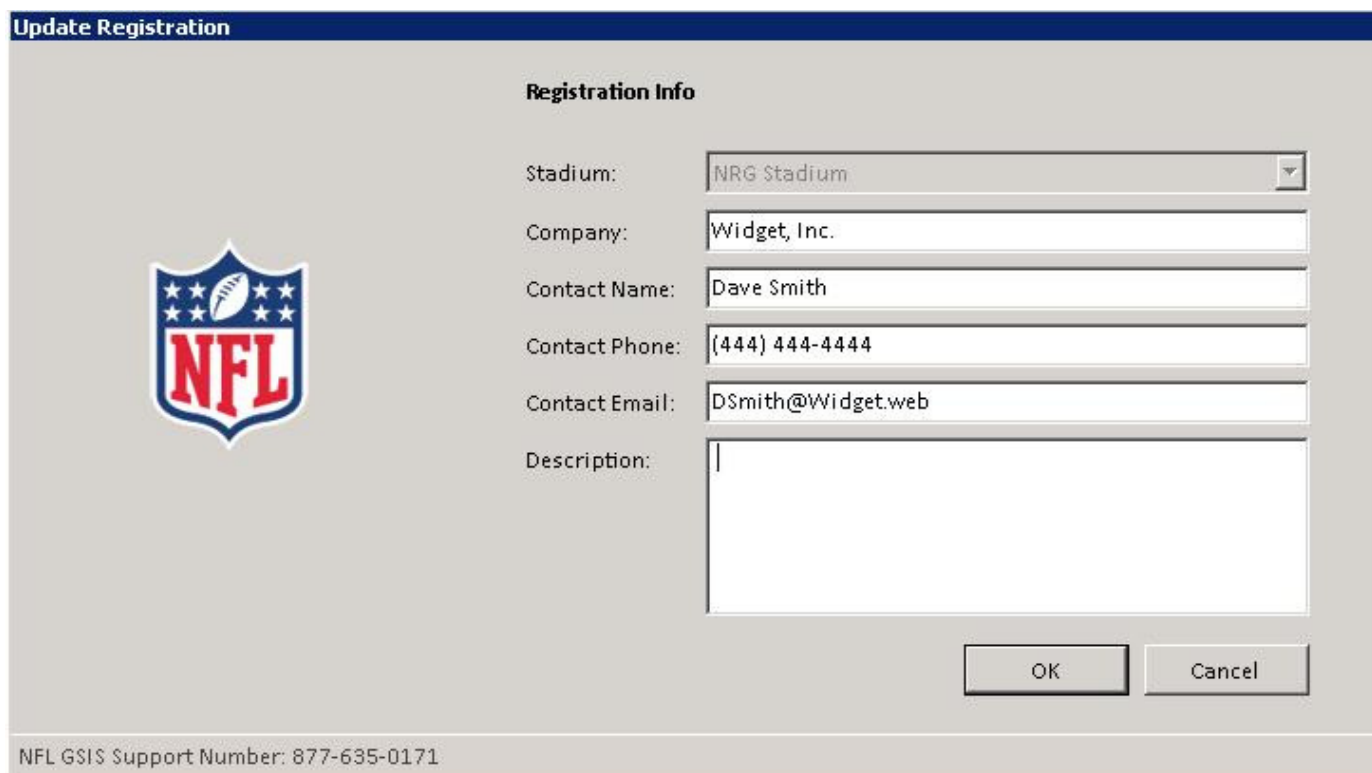
## Rollback to Version x.x.x.x

In the very rare instance where there is either an issue downloading the newest version of the clock transmitter or the newest version is not working correctly, you have the option to rollback your installation to the previous version by selecting “Rollback to version <previous version number>” from the Help Menu. Once you confirm this choice in the confirmation window, the previous version of the application will begin to install.



## Update Registration

If you need to update the company or contact information that you used when registering, select “Update Registration” from the Help Menu. Choose “OK” when finished updating. **NOTE:** The Stadium field is not editable once the initial registration has been completed.

A screenshot of the "Update Registration" dialog box. On the left is the NFL logo. The main area is titled "Registration Info" and contains several input fields: "Stadium:" (a dropdown menu showing "NRG Stadium"), "Company:" (a text box with "Widget, Inc."), "Contact Name:" (a text box with "Dave Smith"), "Contact Phone:" (a text box with "(444) 444-4444"), "Contact Email:" (a text box with "DSmith@Widget.web"), and "Description:" (a large empty text area). At the bottom right are "OK" and "Cancel" buttons. A footer bar at the bottom contains the text "NFL GSIS Support Number: 877-635-0171".

## Send Log Files to NFL

If you encounter any issues and are in communication with NFL GSIS Support for troubleshooting assistance, they may ask you to send them the log files to help determine the source of your issues. If this is the case, simply select “Send Log Files to NFL” and the files will automatically be sent. A “Success” dialog will appear to confirm.



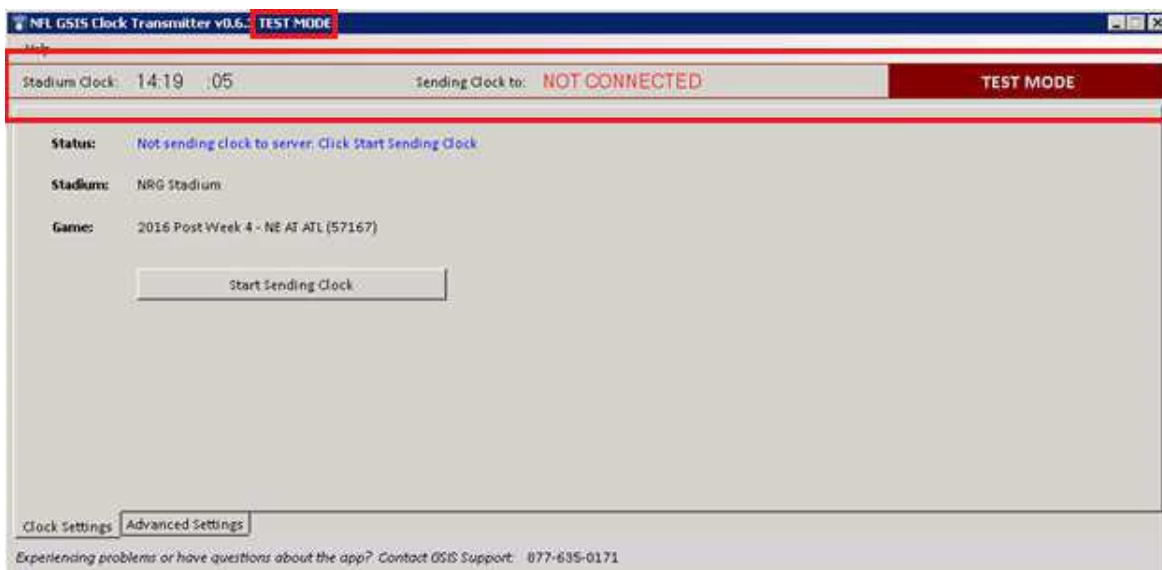
## Test Mode

Test Mode is, from a user standpoint, nearly identical to the regular production Clock Transmitter app, but it is pointed at a testing environment (entrystg.nflgsis.com) that will not interfere with the NFL's production environment (entry.nflgsis.com). Also, this mode will allow a user to choose a game from a dropdown menu if more than one game is currently running for the stadium they are registered to.

This mode is used for training purposes, as well as for stadium technicians who may want to test their changes during the pre-season or mid-week.

The only visual differences between Test Mode and the standard mode are the dark red box in the upper section of the UI, and the "TEST MODE" text in the application title bar.

**NOTE:** In order to use this mode, you will need the NFL to start a Test game for you.



## Starting Test Mode

1. Close the standard clock transmitter app if it is open. The clock app cannot be run in standard mode and test mode simultaneously.
2. Find the 'NFL GSIS Clock Transmitter – Test' button in the Start menu via All Programs > NFL > GSIS Clock Transmitter > NFL GSIS Clock Transmitter – Test. (it will not have an icon on the desktop).



3. Login with your Test Mode username and password. Since Test Mode is in a different environment, you will need to use Test Mode login credentials.
4. From here, you will follow all the same steps to login, register, and run the clock as you would in standard mode.

## Game Select Dropdown (Test Mode only)

If you have registered for a stadium in test mode that happens to have more than one game active, each of those games will be displayed in a dropdown menu in the 'Game:' field, allowing you to pick which of the game you would like to send a clock feed to.



## Troubleshooting

If you encounter any issues while using this app or have any questions, you may contact NFL GSIS Support by phone at (877) 635-0171. This number can be found at the bottom of all screens within the NFL GSIS Clock Transmitter app.

