

# How To



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## Support: How To

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The basic day-to-day operation of SOS is discussed in the [Operation and System Administration Manual](#) and in the [Display Software Manual](#). Most questions about how to use SOS should be answered there. Further, a number of common tasks and "How To" topics are treated in our collection of [SOS Video Tutorials](#). The following is a collection of documents discussing miscellaneous system administration and maintenance tasks.

If you need technical support for your SOS system, please send an email to the support team at [sos.support@noaa.gov](mailto:sos.support@noaa.gov)

## Manuals

- [Operation and System Administration Manual](#)
- [Display Software Manual](#)
- [Remote App Manual](#)
- [Visual Playlist Editor Manual](#)
- [Public Kiosk Manual](#)
- [Alignment Manual](#)
  
- [Translations Manual](#)
- [Playlist Reference Guide](#)
- [Automation Control Protocol Guide](#)
- [Content Creation Guidelines](#)
- [Docent Best Practices](#)

## Basic How To...

- [Helpful Hints](#)
- [iPad Bluetooth Setup](#)
- [Run SOS in Verbose mode](#)
- [Clean the Sphere](#)

## Set Up How To...

- [Calculate projector lens throw distance from throw ratio](#)
- [Calculate the Sphere Mount Locations](#)
- [Calculate the SOS Field Of View \(FOV\)](#)
- [R&D spreadsheet to calculate the blackhole size based on projector distances \(XLS\)](#)
- [Change NVIDIA Settings for Ubuntu PC Configuration](#)

## Auxiliary Display How To...

- [Choose the right touchscreen for the NOAA Kiosk](#)
- [Bishop Museum SOS Kiosk \\*](#)
- [Use CU wall projector display software \\*](#)

*\* This software was not written by NOAA, so support is limited*

## Content How To...

- [Set Up RT Data](#)

- [Configure automatic data updates](#)
- [Mirror data with lftp \(script example\)](#)
- [Create a Moving PIP](#)
  
- [Make an SOS label file \(script example\)](#)
- [Use MPEG-4 Files With SOS](#)
- [List of Categories, Subcategories, Themes, and Keywords](#)