Title

DisplayCast Best Practices

Summary

Follow these practices for best results in field and SMS when using AgFiniti and specifically DisplayCast

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Details

Initial Setup/Sync

<u>InCommand</u>

1. Upgrade display to latest firmware.
2. Utilize a non-cellular, unlimited data internet connection
    a. Ex: Home or shop Wi-Fi
3. Setup and sync only one display at a time
    a. Login to AgFiniti on display A and complete sync prior to logging into display B, C, D, etc. into AgFiniti. After display A syncs, change DisplayCast setting to manual to allow display B to sync data.
    b. Continue to only allow one display to sync at a time by changing the previously synced display to "Manual Only," until all displays have synced data.
4. After initial sync of each individual InCommand display, start back with the 1st display and sync all displays one at a time again, in the same order as the initial sync
5. This will ensure that all information from all displays are on each of the displays within the operation
    a. Change the DisplayCast setting back to "Automatic" and ensure all displays have current data/information.

Pre-season

<u>In SMS</u>

1. Import all outstanding data from display/AgFiniti into SMS
    a. Export All Log Files from display
    b. Import data from AgFiniti/USB card into SMS
    c. Confirm that all expected data is present, if data missing, check with other displays or support
2. Clean up any duplicate data, incorrectly named fields or other housekeeping in SMS
    a. Use tools built into SMS to ensure that the management tree is proper
        i. No duplicate field names
        ii. No data from same field in multiple branches in tree
        iii. One field needs to contain its own data, can't have different fields for different year/operation
    b. Merge Field, Split Load, Sort Load and Move Branch can all be used to move data around in different ways in order to ensure that tree is correct
3. Go to Tools – Management Item Editor and delete unused G/F/F
    a. If Unused Items are not deleted, then they can be exported back out to AgFiniti/InCommand displays and cause this issue to reoccur
4. Create NEW device setup utility that contains only the specific management items, boundaries and guidance lines you need to send out for the upcoming season
5. Export to display/AgFiniti

<u>AgFiniti Cloud/DisplayCast</u>

1. Determine if data in cloud is to be used to setup future displays
2. If no, navigate to DisplayCast settings on InCommand display, set the sync to Manual and select Clear Cloud
    a. This will clear the management data present in the cloud but not affect processed map data or data on display locally
3. If yes, then no additional steps are needed

<u>InCommand</u>

1. Export any remaining data that needs to be imported into SMS
    a. Export All Log Files (either to AgFiniti or US) to export logged data

  a. This is one of the most important steps to follow, adding additional fields always causes problems with DisplayCast, sync speed and cause other issues
3. Avoid creating new guidance lines when existing ones may already be present
4. Always allow syncs to complete, if a sync is disrupted odd things can happen in the cloud
  a. If data is synced at end of day, which is recommended, then you will never want to force close/shut down the display
5. Always check on displays that need to be synced to the cloud after an extended period of time for any of the old, bad data. It's always best to clear those displays if possible before syncing in order to prevent this issue and others from re-occurring.

<u>In-Field</u>
1. Have a single display create the initial event and allow it to sync completely
2. Secondary displays will want to select the previously created event
  a. If the created event is not present, then check to make sure that the correct field was selected
3. Suspend events vs closing
  a. Only close an event if that event is completely finished
  b. If event will need to be accessed again, suspend the event when closing out
4. Set the display to export on to AgFiniti on shut down
  a. This will ensure that all data is exported at the end of day
5. Depending on what is needed, can toggle DisplayCast sync to manual
  a. Will reduce the number of syncs occurring thus reducing amount of data used

<u>End of Season</u>
1. Ensure that everything is exported to AgFiniti/SMS
  a. Export all log files if needed
2. Can clean displays at this point to not have to perform steps in spring
3. See preseason steps as they can be taken now as well

If data is not syncing properly on initial setup (due to multiple displays attempting to sync at the same time):

1. Upgrade all displays in use to latest firmware.
2. Change DisplayCast setting to "Manual Only" on all displays logged into AgFiniti.
  a. Manual DisplayCast setting will only sync data when prompted by the user.
3. On display A select the "Sync" button to manually sync data from this display to AgFiniti cloud.
4. After display A sync is complete, move to display B and select the "Sync" button to manually sync data from this display to AgFiniti cloud.
5. Continue to manually sync each display, one at a time to ensure DisplayCast data is syncing properly.
6. After manually syncing each display data one at a time, verify that all data is the same on each individual display.
7. Change each DisplayCast setting back to the desired setting for the customer's operation (Automatic, Manual, Off).

Figure 1 - DisplayCast set to "Manual" shown below. The "Sync" button to begin manual sync is also pictured below.