

TS Music Flight Deck

Operations Manual

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Software Version: 1

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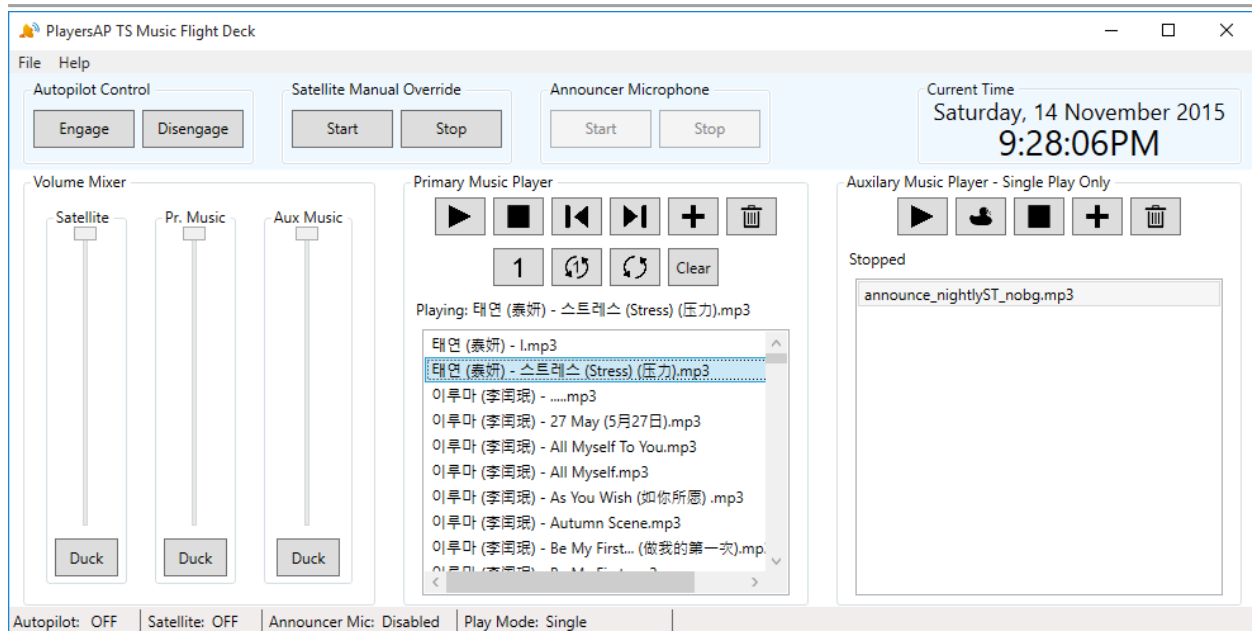
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Overview



Autopilot Control

Engage/Disengage the Autopilot.

When engaged, automatically operates the controls on a scheduled basis.

The autopilot is automatically engaged upon application start-up.

Satellite Manual Override

Manually switch the Satellite input on or off.

Announcer Microphone

Isn't actually wired up to anything, hence disabled. Might be implemented in the future.

Volume Mixer

Allow fine adjustment of each input source individually. Can adjust Satellite, Primary Music Player and Auxiliary Music Player.

Primary Music Player

Typically used for playing music and playlists.

Auxiliary Music Player

Typically used for playing a single track, usually prerecorded announcements.

Status Bar (bar at the bottom)

Notes whether Autopilot and Satellite is on/off, and the playmode of the Primary Music Player.

Volume Mixer

Volume Fader

Allow fine adjustment of each input source individually. Can adjust Satellite, Primary Music Player and Auxiliary Music Player.

Duck Button

Automatically adjusts the respective volume fader to 20%.
Press once to set to 20%. Press again to return to 100%.

Note: Button does nothing if the player in question is not playing anything.

Satellite: Controls the volume of the Satellite input. Connected to the default input of the system.

Pr. Music: Controls the volume of the Primary Music Player (center player).

Aux Music: Controls the volume of the Auxiliary Music Player (right-most player).

Primary Music Player







List





Single click an item: Selects the track

Double click an item: Selects the track and play.

Multiple tracks can be selected by control-clicking each one, or using the shift key.

Button Controls

Button	Description
 Play	Play the selected track. If no track is selected, plays the first track.
 Stop	Stop playing.
 Skip Previous	Skips to the previous track in the playlist.
 Skip Next	Skips to the next track in the playlist.
 Add Track(s)	Opens a file browser to add one or more tracks to the playlist.
 Delete Track(s)	Deletes the selected tracks.

 Single Play	Sets the playmode to Single. Plays one track and stops.
 Repeat One	Sets the playmode to Repeat One. Plays one track repeatedly.
 Continuous Play	Sets the playmode to Continuous. Automatically plays the next track after another.
 Clear Playlist	Empties the playlist.

Auxiliary Music Player






List

Single click an item: Selects the track

Double click an item: Selects the track and play.

Multiple tracks can be selected by control-clicking each one, or using the shift key.

Button Controls

Button	Description
 Play	Play the selected track. If no track is selected, plays the first track.
 Stop	Stop playing.
 Duck and Play	Used for playing a prerecorded announcement once the program has started, but without cutting it off entirely. Automatically duck (fade down to 20%) the Satellite and Primary Music player sources, then plays the selected track. Once the track is finished, the volume of Satellite and Primary Music player sources are automatically returned to 100%.
 Add Track(s)	Opens a file browser to add one or more tracks to the playlist.
 Delete Track(s)	Deletes the selected tracks.

Current Autopilot Routine

Correct as of 14 November 2015.

Time	Action/Purpose
Saturdays 3PM	Play pre-programme music from Primary Music Player.
Saturdays 3:55PM	Play announcement (if exists) from Aux Music Player, then opens the Satellite input.
Saturdays 5:03PM	Closes satellite input.
Saturdays 10:00PM	Nightly replay of the previous week's lecture. Runs from Aux player.
Sundays 1PM	Play pre-programme music from Primary Music Player.
Sundays 1:55PM	Play announcement (if exists) from Aux Music Player, then opens the Satellite input.
Sundays 3:03PM	Closes satellite input.
Sundays 10:00PM	Nightly replay of the previous week's lecture. Runs from Aux player.

TeamSpeak Commands

All commands begin with "fd", which stands for "Flight Deck".

Primary Music Player

Command	Action/Purpose
fdselect1 <songname>	Selects a track in the Primary Music Player.
fdplay1	Plays the selected track in Primary Music Player.
fdstop1	Stops the Primary Music Player.
play	Selects a track in the Primary Music Player and plays it.

Auxiliary Music Player

Command	Action/Purpose
fdselect2 <songname>	Selects a track in the Auxiliary Music Player.
fdplay2	Plays the selected track in Auxiliary Music Player.
fdstop2	Stops the Auxiliary Music Player.
fdann	Short for <i>Flight Deck Announcement</i> Plays the selected track in Auxiliary Music Player, with everything else ducked. Equivalent to pressing the rubber duck button on the interface.

Satellite Port Controls

Command	Action/Purpose
fdsat	Opens the Satellite port.
fdsatstop	Closes the Satellite port.

Administrative / Troubleshooting

Command	Action/Purpose
fdresetsys	Resets the sounds output. Used if Flight Deck remains silent despite starting of playback.
fdresetvol	Resets all volume settings. Used if something is stuck really soft.
fdtsreset	Tries to fix the mute switches on TeamSpeak.

Troubleshooting

Problem: Flight Deck goes silent for no reason, or after long periods (>12 hours) in operation.

Solution: Seems to be an issue with the supporting library. Going to the File Menu > Reset Outputs usually fixes it, a quick restart of the software should also fix the issue.

Problem: Double-clicking the track that's already selected sometimes plays the wrong track.

Solution: A known bug. Temporary workaround is to single-click the track and press play.

Changelog

2015/12/01:

- Fix a stuttering issue. It probably also fixes the silence problem.

2015/11/19:

- Added ability to be controlled over TeamSpeak.
- Announces song names in TeamSpeak chat.

2015/11/15:

- Initial Release

Todo List

1. Add ability to program the autopilot schedule from the frontend.

At present it is hardcoded into the application, and any adjustments to the scheduling requires a full recompilation.

2. Add ability to select the input for satellite.