LED animation files for Alexa Attention States

The .animation files included in this package are provided to you as a resource for implementing the Alexa attention states and transitions using LEDs as described in the Attention System guidance (developer.amazon.com/docs/alexa-voice-service/ux-design-attention.html).

Files have been provided for the following multicolor arrays:

- 12 LEDs, radial
- 11 LEDs, linear
- 7 LEDs, linear
- 5 LEDs, linear
- 1 LED

The files correspond to the documented attention states in the following way:

State	File
Start Listening	active-waking.animation
End Listening	active-ending.animation
Thinking	active-thinking.animation
Speaking	active-talking.animation
End Speaking	active-ending.animation
Mic On to Mic Off	mics-off_start.animation
Mic Off	mics-off_on.animation
Mic Off to Mic On	mics-off_end.animation
Timer	alert.animation
Timer Short	alert-short.animation
Alarm	alert.animation
Alarm Short	alert-short.animation
Reminder	alert.animation
Reminder Short	alert-short.animation
Do Not Disturb	do_not_disturb.animation
Incoming Notification	ntf_incoming.animation
Queued Notification	ntf_queued.animation
Bluetooth Connected	btconnect.animation

State	File
Bluetooth Disconnected	btdisconnect.animation
Error	error.animation

Array Formatting

In each array file, the animation information is formatted as follows:

[*duration*]:HEX_01,HEX_02,HEX_03,HEX_04,HEX_05,HEX_06,HEX_07,HEX_08,HEX_09,HEX_10,HEX_11,HEX_12

where *duration* is the time in milliseconds that the array should display the given HEX values.

If you are using the files for the **single**, **linear_5**, **linear_7** or **linear_11** arrays, ignore all HEX values beyond the number of LEDs in your array. For example, if you are implementing single, ignore HEX_02 through HEX_12. If you are implementing linear_7, ignore HEX_08 through HEX_12.

Version History

2018-08-01   Initial release.
2018-09-17   Updates to error.animation files for all arrays.
2018-12-19   Added Do Not Disturb files for all arrays.