

Kerbal Space Program - Bug #13194

Incorrect variable values in CommLink instances

11/06/2016 07:35 AM - TaxiService

Status:	Updated	Start date:	11/06/2016
Severity:	Normal	% Done:	10%
Assignee:	RoverDude		
Category:	Gameplay		
Target version:			
Version:	1.2.1	Language:	English (US)
Platform:	Windows	Mod Related:	No
Expansion:			

Description

Stock KSP 1.2.1 64-bit & 32-bit, clean installed, resided outside Steam for mod development.
Mods: an optional demonstration DLL to read CommLink values (attached Simple.cs)

What happened:

All of the CommLink instances in CommNetNetwork.Instance.CommNet.Links have two incorrect values of the signalStrength and hopType variables. (attached incorrect_values.png)

Reproduction steps (in a debug mode):

- 1) Launch KSP and create a new save (preferably, Sandbox)
- 2) Build a **direct** antenna and some solar panels on a probe in VAB (attached craft.png)
- 3) Launch and inspect the particular variables mentioned

Expected results:

- 1) signalStrength variable is in [0.0, 1.0]
- 2) hopType variable is HopType.Home (the direct antenna to KSC)

Actual results:

- 1) signalStrength variable exceeds 1.0, almost matched to the cost variable
- 2) hopType variable is HopType.Relay (always HopType.Relay)

Extra details:

- 1) I can't reproduce this reliably but the cost variable of a CommLink instance is sometimes zero despite the visible distance is non-trivial.

History

#1 - 11/07/2016 03:26 PM - sal_vager

- Status changed from New to Need More Info

Hello TaxiService, can you demonstrate any negative effect in-game from these variables?

#2 - 11/07/2016 03:35 PM - TaxiService

No, there are no negative visible effects from these variables in the stock playing.

Obviously, the negative effect of accessing these variables directly is the incorrect information requested for a CommNet-related add-on.

#3 - 11/11/2016 11:48 AM - sal_vager

- Status changed from Need More Info to Updated

- Assignee set to RoverDude

- % Done changed from 0 to 10

I see, thanks for the update, Roverdude is still responsible for commnet so I'll get him on this.

Files

incorrect_values.png	155 KB	11/06/2016	TaxiService
output_log.txt	1.37 MB	11/06/2016	TaxiService
Simple.cs	862 Bytes	11/06/2016	TaxiService
craft.png	1.92 MB	11/06/2016	TaxiService