

Telemetry

wiki.allstarlink.org

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1 Telemetry

Legacy Version - This page is about a legacy version of AllStarLink. See ¹

¹ <https://allstarlink.github.io/adv-topics/telemetry/>

2 Definition

Telemetry is a data message that is sent between nodes when connecting to or disconnecting from another node. Telemetry is silently sent to all other connected nodes through digital (out-of-band, non-audio) data over the VoIP connection. It is purely up to each local system to decide what to do with this information. It can announce it, ignore it or even change the message. The node owner/admin determines what is appropriate for their individual node.

There are configuration and mode options allowing all telemetry (both local and obtained from other nodes) to be:

- Always announced
- Never announced
- Announced only when a function is locally executed and for short time thereafter

There are 5 telemetry channels which can be individually managed:

- Local Node - This node
- Foreign Node - A connected node
- Phone - Autopatch, phone portal
- Echolink - Echolink connections
- GUI - IAXrpt, SIP phone display, VoIP clients

Note: Requires app_rpt.c version 0.186 or later.

3 Usage of type:

3.1 Local

telemdefault 0 = telemetry output off, 1 = telemetry output on, 2 = timed telemetry output on command execution and for a short time thereafter

telemdynamic 0 = disallow users to change the local telemetry setting with a COP command, 1 = Allow users to change the setting with a COP command

3.2 EchoLink

eannmode 0 = do not announce Echolink nodes at all, 1 = announce only the node number (Allstar-translated), 2 = announce only the call of the echolink station, 3 = announce both

echolinkdefault 0 = telemetry output off, 1 = telemetry output on, 2 = timed telemetry output on command execution and for a short time thereafter, 3 = follow local telemetry mode

echolinkdynamic 0 = disallow users to change current echolink telemetry setting with a COP command, 1 = Allow users to change the setting with a COP command

3.3 Phone

phonelinkdefault 0 = telemetry output off, 1 = telemetry output on, 2 = timed telemetry output on command execution and for a short time thereafter, 3 = follow local telemetry mode

phonelinkdynamic 0 = disallow users to change phone telemetry setting with a COP command, 1 = Allow users to change the setting with a COP command

3.4 GUI

guilinkdefault 0 = telemetry output off, 1 = telemetry output on, 2 = timed telemetry output on command execution and for a short time thereafter, 3 = follow local telemetry mode

guilinkdynamic 0 = disallow users to change the gui telemetry setting with a COP command, 1 = Allow users to change the setting with a COP command

4 Implementation By COP Command

4.1 Local

33 Local Telemetry Output Enable

34 Local Telemetry Output Disable

35 Local Telemetry Output Timed

4.2 Foreign

36 Foreign Link Local Output Path Enable

37 Foreign Link Local Output Path Disable

38 Foreign Link Local Output Path Follows Local Telemetry Selection (above)

39 Foreign Link Local Output Path Timed

NOTE: The Foreign Link COP methods only work from the user on the foreign link, (i.e. not from the local node / iax inbound telemetry).

(IAX Text messaging needs to be added here)

4.3 Contributors

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- This page was last edited on 18 July 2025, at 19:15.

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¹ Chapter 6 on page 17

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