

QSC, Design Audit Log

Description

Embedded documentation tool for tracking design interventions. Log who worked on what, when, and why.

The Design Audit Log plugin provides a structured, in-design audit trail for Q-SYS systems. It is intended for integrators and service technicians who need to keep a reliable record of every intervention performed on a deployed system — directly inside the Q-SYS design itself, with no external tools required.

Each log entry captures the date, technician name, service type, and a work summary. The plugin also automatically records the Q-SYS Designer version and the design code active at the time of the intervention. Entries can be locked once completed to protect the historical record from accidental modification.

A built-in mismatch detection mechanism alerts operators when the current running design code differs from the one recorded in the last log entry, making it easy to identify when a design has been updated without a corresponding service note. Mismatch alerts can be pushed as notifications to Microsoft Teams, Slack, or Discord via webhook.

Project-level fields (customer, site, room, and project ID) provide persistent context that travels with the design. Reports can be exported as PDF files directly to Core's file system for archiving or handoff.

Key Features

- **Intervention Logging** — Track each service visit with date, technician, and work summary
- **Design Code Capture** — Auto-capture Core's design code per entry
- **Auto QDS Version** — Automatically log Q-SYS Designer version
- **Entry Locking** — Freeze completed entries to protect audit history
- **Mismatch Detection** — Alert when current design differs from last logged entry
- **History Navigation** — Browse and review all past interventions
- **Export to Core** — Export reports to Core's file system
- **Custom Service Types** — Define your own intervention categories

Configuration Overview

Plugin version

This document is written for the plugin :

- **Design Audit Log V1.1.0.0**

Release note

2026-09 : V 1.1.0.0

- Compromised status message now states both the last recorded design code and the new design code detected on Core

2026-05 : V 1.0.0.0

- Initial Release

QDS compatibility

This plugin has been developed and tested on :

- Q-SYS Designer version 9.13.1 / 10.0.x / 10.1.x / 10.2.0 and 10.2.1
-

Controls

Controls Page

Version 1.0.0.0

Design Audit Log

OK - 0zS09wSI6UsJ

Project Information

Customer Name

Site / Location

Room(s)

Project ID

Last Field Service

Status

Design Version

Service Type

Design Code

Timestamp

QDS Version

Integrator

Programmer

Technician

Work Summary

Details
Add New Line

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Et vehicula purus suspendisse donec hac aptent rhoncus nostra. Nullam ac habitant ante lacus finibus risus netus interdum posuere eu vulputate urna amet eu. Sodales hac nunc pellentesque consequat sit quis sodales laoreet per molestie non platea conubia. A

Status

Controls name:

Type:

Description: Displays current design code from Core. Shows fault state with "Design Code Mismatch" if Last Service Field design code differs from current code AND status is Completed or Locked

OK -

Compromised - New design pushed to core - Old: , New:

Global Project Fields

Customer Name

Controls name: ProjectCustomer

Type: Text-Text Edit

Description: The name of the customer or client for this project

Site / Location

Controls name: ProjectSite

Type: Text-Text Edit

Description: Physical address or building name where the system is deployed

Room

Controls name: ProjectRoom

Type: Text-Text Edit

Description: Room name(s) or identifier(s) covered by this design

Project ID

Controls name: ProjectCode

Type: Text-Text Edit

Description: Internal reference ID used for project tracking

Lock

Controls name: ProjectLock

Type: Button-Toggle

Description: Toggle lock state for global fields — prevents accidental edits once project info is set

Last Service Field (Current Entry)

Service Status

Controls name: CurrentStatus

Type: Text-ComboBox

Choices: Draft / Completed / Locked

Description: Entry lifecycle state — Draft entries are editable, Completed entries are finalized, Locked entries cannot be modified

Caution: Locking an entry is irreversible. Locked entries cannot be modified or deleted.

Service Type

Controls name: CurrentServiceType

Type: Text-ComboBox

Choices: Installation, Commissioning, Upgrade, Maintenance, Support, Troubleshooting, <Custom>

Description: Category of work performed — custom types can be added in Settings

Timestamp

Controls name: CurrentTimestamp

Type: Indicator-Text

Description: Date of the intervention (auto-populated on creation).

Timestamp Update

Controls name: CurrentTimestampUpdate

Type: Button-Trigger

Description: Update Date of the intervention with current date and time.

Design Version

Controls name: CurrentVersion

Type: Text-Text Edit

Description: Version number for this intervention (auto-increments on new entry or set manually). Limited to 50 characters.

Design Code

Controls name: CurrentDesignCode

Type: Indicator-Text

Description: Captured design code from Core at time of entry — updated on every design push when *Status* is set to Draft — freezes when *Status* is set to Completed or Locked.

QDS Version

Controls name: CurrentQdsVersion

Type: Indicator-Text

Description: Q-SYS Designer version used for this intervention (e.g., 10.2.0) Auto-fill by the plugin

Integrator

Controls name: CurrentIntegrator

Type: Text-Text Edit

Description: Name of the integration company or team responsible for this work. Limited to 50 characters.

Programmer

Controls name: CurrentProgrammer

Type: Text-Text Edit

Description: Person who programmed or modified the Q-SYS design. Limited to 50 characters.

Technician(s)

Controls name: `CurrentTechnician`

Type: `Text-Text Edit`

Description: Field technicians present on-site (comma-separated for multiple). Limited to 50 characters.

Work Summary

Controls name: `CurrentSummary`

Type: `Text-Text Edit`

Description: One-line summary of work performed — displayed in History list for quick scanning. Limited to 50 characters.

Work Details

Controls name: `CurrentDetails`

Type: `Text-Text Edit`

Description: Detailed observations, issues encountered, follow-up actions, or any additional context. Limited to 2000 characters.

Add Line

Controls name: `CurrentDetailsNewLine`

Type: `Button-Trigger`

Description: Adds a new line to the `CurrentDetails` controls value.

History Page

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Design Audit Log

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History

Timestamp	Status	Version	Work Summary
2026-04-23 12:02	Draft	3	Dui massa id eu praesent urna et...
2026-04-23 12:02	Locked	2	Ante nisi et conubia magna conva...
2026-04-23 11:49	Locked	1	Lorem ipsum dolor sit amet, cons...

3/100

Export to core
+ New
Delete

Selected Field Service - Read-Only

Status	Locked	Design Version	1
Service Type	Installation	Design Code	0zS09wSI6UsJ
Timestamp	2026-04-23 11:49	QDS Version	10.2.1-2603.002
Integrator	The Best AV Company inc.		
Programmer	Steve W.		
Technician	Joe, Mark, Emily		
Work Summary	Lorem ipsum dolor sit amet, consectetur adipiscing		

Details

Lobortis rhoncus ornare sapien massa platea phasellus et nec. Iaculis sed pharetra litora gravida gravida proin in gravida fermentum. Magna iaculis ante aliquet mauris quisque vel gravida sagittis donec ullamcorper potenti litora tincidunt risus fames. Ante nisi et conubia magna convallis purus phasellus nunc. Nunc mauris commodo praesent dolor quis leo non purus etiam id volutpat

History List

Controls name: List

Type: Text-ListBox

Description: Scrollable list of all entries — shows Timestamp, Status, and Work Summary per row. Click to select and view details bellow

Count

Controls name: Count

Type: Indicator-Text

Description: Display the field service count.

New

Controls name: New

Type: Button-Trigger

Description: Create a new blank entry with current date and Draft status. Only available if previous entry is Completed or Locked.

Caution: Creating a new entry will automatically archive and lock the previous one. Once archived, no further modifications will be possible.

Delete

Controls name: Delete

Type: Button-Trigger

Description: Remove selected entry — only works on Draft entries, Completed or Locked entries cannot be deleted

Export to core

Controls name: SelectedExport

Type: Button-Trigger

Description: Export selected entry PDF report to Q-SYS Core File section.

Selected Service Field (Read-Only)

Displays details of the entry selected in the History List above — read-only view.

Service Status

Controls name: SelectedStatus

Type: Indicator-Text

Description: Entry status (Draft / Completed / Locked)

Design Version

Controls name: SelectedVersion

Type: Indicator-Text

Description: Version number of the selected entry

Design Code

Controls name: SelectedDesignCode

Type: Indicator-Text

Description: Design code captured at time of this entry

Date

Controls name: SelectedTimestamp

Type: Indicator-Text

Description: Timestamp of the intervention

Integrator

Controls name: SelectedIntegrator

Type: Indicator-Text

Description: Company/team responsible

Programmer

Controls name: SelectedProgrammer

Type: Indicator-Text

Description: Design programmer

Technician(s)

Controls name: SelectedTechnician

Type: Indicator-Text

Description: Field technicians on-site

QDS Version

Controls name: SelectedQdsVersion

Type: Indicator-Text

Description: Q-SYS Designer version used

Service Type

Controls name: SelectedServiceType

Type: Indicator-Text

Description: Type of work performed

Work Summary

Controls name: SelectedSummary

Type: Indicator-Text

Description: Brief work description

Work Details

Controls name: SelectedDetails

Type: Indicator-Text

Description: Detailed observations and follow-ups

Event Manager Page

Version 1.0.0.0

Design Audit Log

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Settings

Timestamp format

%Y-%m-%d %H:%M

2026-04-23 11:46

Custom Service Type (comma separated)

FW Update, Yearly Maintenance

Version 1.0.0.0

Design Audit Log

OK - 0zS09wSI6UsJ

Settings

Timestamp format

%Y-%m-%d %H:%M

2026-04-23 11:46

Custom Service Type (comma separated)

FW Update, Yearly Maintenance

Event Log Message

Controls name: `EventsLogMessage`

Type: `Button-Toggle`

Description: When enable — write a message to the core's log on entry creation.

Event Log Error

Controls name: `EventsLogError`

Type: `Button-Toggle`

Description: When enable — write an error to the core's log when current Design Code does not match the last entry code.

Webhook Message

Controls name: `EventsWebhookMessage`

Type: `Button-Toggle`

Description: When enable — send a webhook notification on entry creation.

Webhook Error

Controls name: `EventsWebhookError`

Type: `Button-Toggle`

Description: When enable — send a webhook notification when current Design Code does not match the last entry code.

Webhook URL

Controls name: EventsWebhookUrl

Type: Text-Text Edit

Description: URL endpoint used to send webhook payloads.

Webhook Format

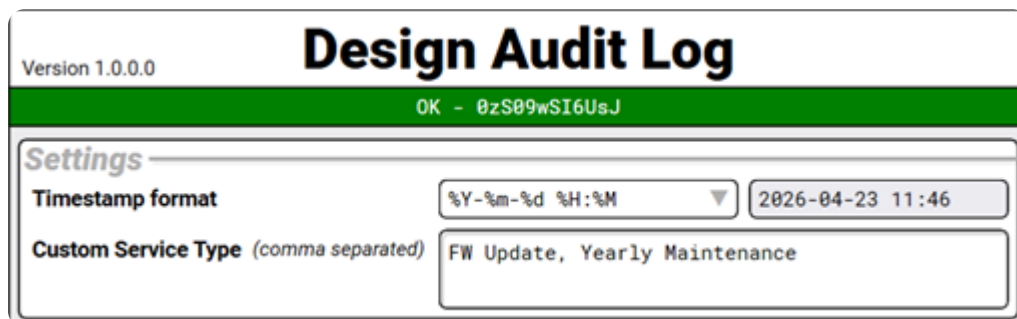
Controls name: EventsWebhookFormat

Type: Text-ComboBox

Choices: Raw JSON, Discord, Slack, MS Teams

Description: Format of the webhook payload.

Settings Page



Timestamp format

Controls name: SettingsTimestampFormat

Type: Text-ComboBox

Choices: %Y-%m-%d %H:%M, %y-%m-%d %H:%M, %m-%d-%Y %I:%M %p, %m-%d-%y %I:%M %p

Description: Format string for date display (e.g., %Y-%m-%d %H:%M → 2026-03-24 17:32)

This format is used to display date and time throughout the plugin and in exported reports.

Timestamp format example

Controls name: SettingsTimestampExample

Type: Indicator-Text

Description: Display an example of the selected timestamp format. Updated at launch or on controls event.

Custom Service Type

Controls name: SettingsCustomServiceType

Type: Text-Text Edit

Description: Comma-separated list of user-defined service types added to the existing Service Type dropdown.

Control Pins

Pin Name	Value	String	Position	Pins Available
Status	0 - 5	(String)	-	Output
EventsLogMessage	0 / 1	false / true	0 / 1	Input / Output
EventsLogError	0 / 1	false / true	0 / 1	Input / Output
EventsWebhookMessage	0 / 1	false / true	0 / 1	Input / Output
EventsWebhookError	0 / 1	false / true	0 / 1	Input / Output
EventsWebhookUrl	-	(String)	-	Input / Output
EventsWebhookFormat	-	(String)	-	Input / Output

Appendix

Report Export

```
Core Manager Files Section/  
└─ media/  
    └─ Reports/  
        └─ 2026-04-22 13:31_DesignVersion-1.pdf  
        └─ 2026-04-23 07:00_DesignVersion-2.pdf  
        └─ 2026-04-24 11:57_DesignVersion-3.pdf
```

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