FOR OFFICIAL USE ONLY

U.S. AIR FORCE

SKL
(Simple Key Loader)
Instruction Guide

FOR OFFICIAL USE ONLY

Table of Contents

Page 1 – Initializing SKL
Page 2 – Deleting Superseded Codes
Page 3 – Loading Secure Voice
Page 4 – Loading Precision Codes (GPS)
Page 5 – Loading Mode 4 (IFF)
Page 6 – Loading Combat Track II (CT2)
Page 7 – Transfer of Segments from SKL ➔ SKL
Page 8 – Powering Down SKL

If you follow the step-by-step instruction in this guide, you WILL be able to load all codes!

DO NOT:

- **Push any buttons** beside the Dim/Bright Buttons **while unit is Powering On…** (until Log In Screen Appears)
- **Remove CIK unless operational necessity dictates** ➔ for instance, if the unit will become compromised (codes may dump)
- **Remove battery while SKL is powered ON** (codes will dump)

Initializing SKL

Step 1 – Push the **GREY** power button on top right until screen comes up (roughly 3 seconds)

Step 2 – Wait for Logon Screen to appear

➔ If screen is too dark or bright, use the bottom left & right push buttons to adjust

(LEFT Button = DARKER RIGHT Button = BRIGHTER)

➔ If Logon Screen does NOT automatically appear, TAP the **CoreLib** Icon

<USER ID AND PASSWORD ARE CASE SENSITIVE!>

Step 3 – Enter User ID

Step 4 – Enter Password

Step 5 – Press "OK"

Depending on how SKL is configured, Steps 6 & 7 may automatically be bypassed directly to Step 8

Step 6 – Select "Launch" ➔ "Launch UAS" from top menu bar

Step 7 – Highlight "SKL" (if not highlighted already) in Launch UAS dialog box and press "OK"

Step 8 – Press "OK" when Startup Information dialog box appears

Step 9 – Codes that are loaded on the SKL should appear….

If not, click on the Keys Tab

Deleting Superseded Codes

Continue from Keys Tab (Page 1, Step 9):

Step 1 – On the top Menu, select View➔Keys➔Expired Keys

Step 2 – Record keys and segment numbers that will be deleted on the Electronic Key Management Log

You will need to scroll to the right to see the segment number

Step 3 – In the Expired Keys Dialog Box, Select "Delete All"

Step 4 – Select "Yes" when asked whether to "*Delete All Segments?* "

Step 5 – Select "OK" on deletion confirmation dialog box

Step 6 – Select "Close" at bottom right of the Expired Keys Dialog Box

Step 7 – To ensure all expired keys were deleted, repeat Step 1. You should receive confirmation that "*No Expired Keys Exist*"

When Logging out or powering off the unit, a dialog box asks you:
"*The database has changed. Do you want to save the changes?*"

Always Always Always Select "YES"!

If you select "**NO"**, the codes you thought you deleted will still be there.

Loading Secure Voice

Continue from Keys Tab (Page 1, Step 9):

Step 1 – Expand **AKAD 1604** by selecting the **+** icon.
Continue expanding items until the Key Icons are in view

Step 2 – Highlight the Key which you wish to load

Step 3 – Select "*Load Icon*" on the top right of the Screen

Step 4 – Using drop down menu, change Protocol to DS-102
(DS-102 should be the default)

Step 5 – Using drop down menu, change Activate Mode to **KYK-13**

Step 6 – Select "OK" at the bottom of the dialog box

Step 7 – Connect SKL Fill Cable to Secure Voice Receptacle

Step 8 – Ready to Send Key Dialog Box should appear, Select "OK"

Step 9 – When the screen tells you to **INITIATE**, initiate on the Secure Voice Radio.

Codes loaded correctly➔ dialog box w/ "*Operation Successful*" will appear

Step 10 – Return to Step 1 and repeat for all Secure Voice Radios

Step 11 – Disconnect Fill Cable

Loading Precision Codes (GPS)

Continue from Keys Tab (Page 1, Step 9):

Step 1 – Expand **AKAD A1105** by selecting the **+** icon.
Continue expanding items until the Key Icons are in view

Step 2 – Highlight the Key which you wish to load

Step 3 – Select "*Load Icon*" on the top right of the Screen

Step 4 – Using drop down menu, change Protocol to DS-102
(DS-102 should be the default)

Step 5 – Using drop down menu, change Activate Mode to **KYK-13**

Step 6 – Select "OK" at the bottom of the dialog box

Step 7 – Connect SKL Fill Cable to GPS Precision Code Receptacle

Step 8 – Ready to Send Key Dialog Box should appear, Select "OK"

Step 9 – When the screen tells you to **INITIATE**, initiate on the GPS Precision Code Panel.

Codes loaded correctly➔dialog box w/ "*Operation Successful*" will appear

Step 10 - In SCNS, Select NAV➔ INIT➔GPS INIT➔Page 2-2 to ensure that P-Codes loaded

P-Codes loaded – Not Verified or Verified on Page 2-2 in SCNS

P-Codes did not load – Not Loaded on Page 2-2 in SCNS

Step 11 – Disconnect Fill Cable

Loading Combat Track II (CT2)

Continue from Keys Tab (Page 1, Step 9):

Step 1 – Expand **USKAD C5918** by selecting the **+** icon.
Continue expanding items until a Key Icon is in view

Step 2 – Highlight the Key you wish to load, (Confirm key to be loaded)

Step 3 – Select "Load Icon" on the top right of the Screen

Step 4 – Using drop down menu, change Protocol to **DS-102**

Step 5 – Using drop down menu, change Activate Mode to **KYK-13**

Step 6 – Ensure Thornton Key / ADDI Key Load Drop Down Box is **UNCHECKED**

Step 7 – Select "**OK**" at the bottom of the dialog box

Step 8 – Connect SKL Fill Cable to CT2 Transceiver FILL Receptacle J6

Step 9 – "*Press INITIATE Button*" Dialog Box should appear,

Step 10 -- Press CT2 Transceiver "ENTER" button to INITIATE crypto key load…immediate flash of green confirm light then distinguishes➔dialog box w/ "*Operation Successful*" will appear

Step 11 -- Look for Transceiver Lite illumination:

GREEN CONFIRM lite – **ON**, **RED CRYPTO FAULT** Lite – **OFF**

➔ Good Load of Key Codes on the CT2 Transceiver when cable is disconnected or wait ten sec after keying while cable is still attached

GREEN CONFIRM lite – **OFF**, **RED CRYPTO FAULT** Lite – **ON**

➔ Codes NOT loaded correctly due to either:

= FILL Cable NOT properly seated on SKL or Transceiver

= SKL CT2 Steps 4-5 are not configured properly

= Key is corrupt

Step 12 – Disconnect Fill Cable

Loading Mode 4 (IFF)

Continue from Keys Tab (Page 1, Step 9):

Step 1 – Expand **AKAD A3662** by selecting the **+** icon.
Continue expanding items until a Key Icon is in view

Step 2 – Highlight the Key you wish to load

You must load the corresponding daily "**A**" code prior to repeating all steps for the corresponding daily "**B**" code

Step 3 – Select "Load Icon" on the top right of the Screen

Step 4 – Using drop down menu, change Protocol to DS-102

Step 5 – Using drop down menu, change Activate Mode to **IFF**

Step 6 – Select "OK" at the bottom of the dialog box

Step 7 – Connect SKL Fill Cable to IFF Mode 4 Receptacle

Step 8 – "*Ready to Send Key*" Dialog Box should appear, Select "OK"

Step 9 – Repeat all steps to load daily "**B**" code

GREEN light flash on the IFF Mode 4 Receptacle after loading the daily "**B**" code (If not, the codes were not loaded correctly)

Step 10 – Disconnect Fill Cable

Transfer of Segments from SKL ➔ SKL

Continue from Keys Tab (Page 1, Step 9):

Transmitting SKL:

Step 1 – Select "File"
Step 2 – Select "Transmit"
Step 3 – Select "Database"
Step 4 – Click "NEXT"
Step 5 – Select "SKL"
Step 6 – Click "NEXT"
Step 7 – Connect Fill Cable to SKL
Step 8 – Select "TRANSMIT"
Step 9 – **Disconnect Fill Cable**

Receiving SKL:

Step 1 – Select "File"
Step 2 – Select "Receive"
Step 3 – Select "Database"
Step 4 – Change Source to "SKL"
Step 5 – Connect Fill Cable to SKL
Step 6 – Click "RECEIVE" once STEP 8 is completed on TRANSMITTING SKL
Step 7 – Disconnect Fill Cable

Powering Down SKL

Continue from Keys Tab (Page 1, Step 9):

Step 1 – Select "X" in the top right corner to close window

Step 2 – Select "YES" to save changes. This will take you to the CoreLib page (AVENGER HUMMV picture)

When Logging out or powering off the unit, a dialog box may ask you:
"*The database has changed. Do you want to save the changes?*"

Always Always Always Select YES!

If you select **NO**, the codes that you thought you deleted will still be there.

If dialog box does not appear, go to:
FILE ➔ SAVE DATABASE

Step 3 – Select "X" in top right corner to close out CoreLib application

Step 4 – Push Grey power button on top right until "Shutdown" pop-up box appears (roughly 1 second)

➔ Countdown to power-off screen will appear

Step 5 – Ensure that extremely expensive & hip stylus are stowed prior to stowing SKL