e-Link Emulation/Programming Adapter Cable (ESTD-206)

User's Guide

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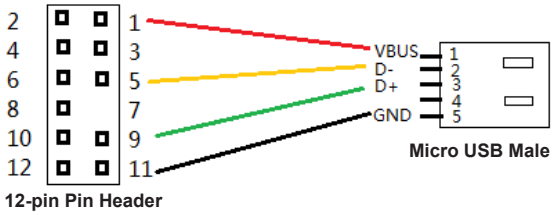
e-Link Emulation/Programming Adapter Cable (ESTD-206) Introduction

1. The e-Link emulation/programming adapter cable (ESTD-206) connection

12-pin Pin Header	Micro USB
Pin 1	Pin 1: VBUS
Pin 5	Pin 2: D-
Pin 9	Pin 3: D+
Pin 11	Pin 5: GND



2. The adapter cable can be used for the e-link On-Chip Debug function (OCDS) and the In Circuit Programming function (ICP).
3. The adapter cable micro USB plug can only be inserted into the "On-Chip Debug" (OCDS) and the In Circuit Programming (ICP) interfaces on the target board. This needs to be distinguished from the USB data transmission interface.

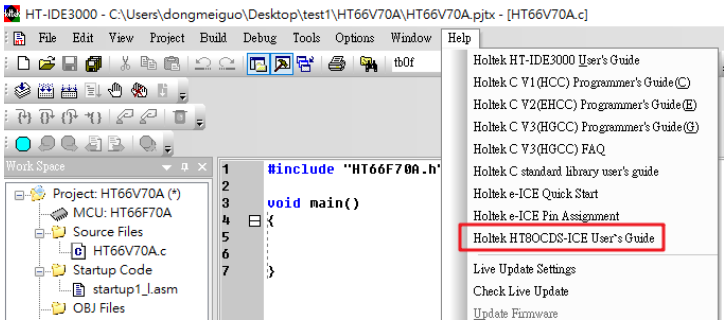
For the e-Link On-Chip Debug Function – OCDS

1. Software Introduction

(1) Log on to the Holtek official website to download the software and obtain relevant information:

The download path is MCU Tools – MCU Development Tools – Software – ICE Software – HT-IDE3000

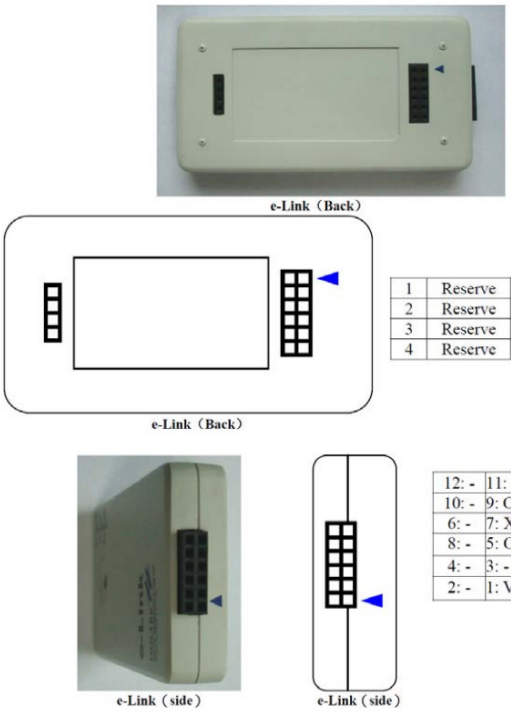
(2) The Holtek HT8OCDS-ICE user's guide can be accessed from its menu after the emulation software HT-IDE3000 has been installed:



(3) The e-Link is updated to the e-Link OCDS Mode by the HT-IDE3000 software

2. Hardware Introduction

(1) e-Link (for HT8OCDS) Pin Assignment



1	Reserve
2	Reserve
3	Reserve
4	Reserve

2: -	1: VDD
4: -	3: -
6: -	5: OCDSCK
8: -	7: X
10: -	9: OCDSDA
12: -	11: GND

12: -	11: GND
10: -	9: OCDSDA
6: -	7: X
8: -	5: OCDSCK
4: -	3: -
2: -	1: VDD

(2) Hardware Connection Schematic Diagram

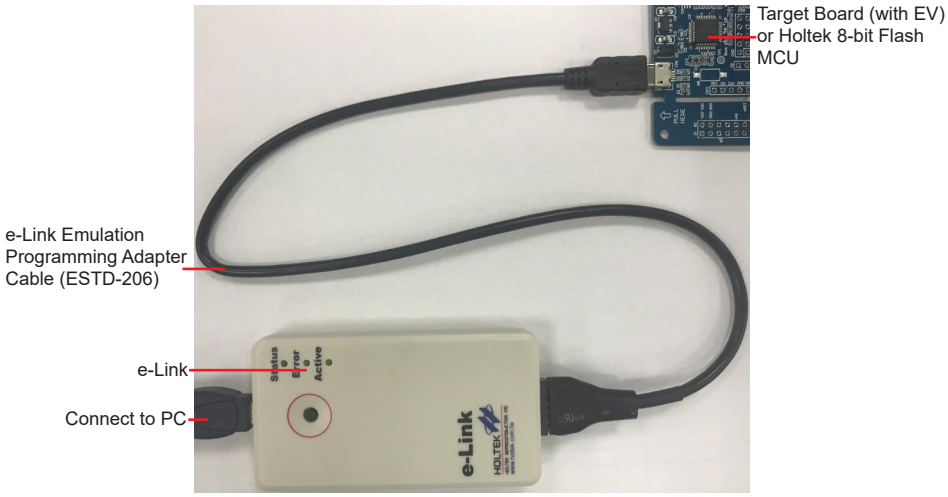
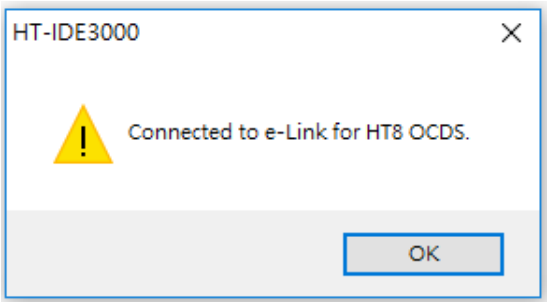


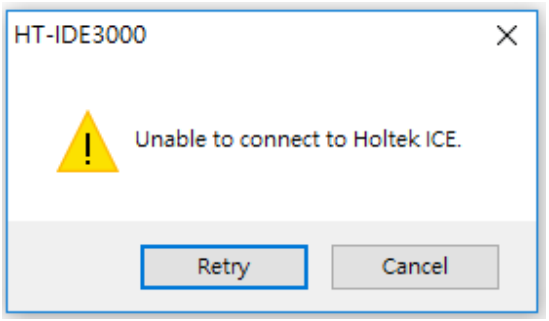
Figure 1

Connect to the USB port for programming using the HT-IDE3000. If there is a problem, refer to the HT-IDE3000 User's Guide for details.

- If the connection was successful, the following message will pop up:



- If the connection failed or there is no connection, the following message will pop up:

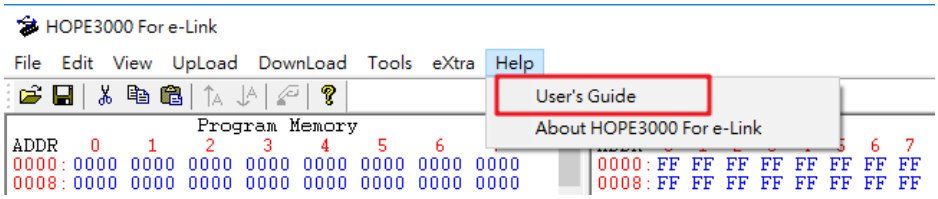


For the e-Link In Circuit Programming Function – ICP

1. Software Introduction

(1) Log on to Holtek official website to download the software and obtain the relevant information:
The download path is MCU Tools – MCU Development Tools – Software – Programmer Software – HOPE3000 For e-Link

(2) The user's guide can be accessed from its menu after the simulation software HOPE3000 For e-Link has been installed:

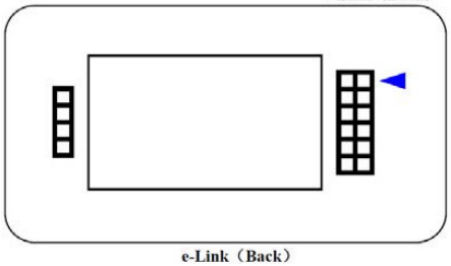


(3) The e-Link is updated to the e-Link OCDS Mode by the HOPE3000

2. Hardware Introduction

(1) e-Link (for ICP) Pin Assignment

e-Link（Back）

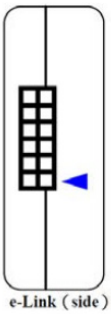


1	Reserve
2	Reserve
3	Reserve
4	Reserve

2: -	1: VDD
4: -	3: -
6: -	5: ICPCK
8: -	7: X
10: -	9: ICPDA
12: -	11: GND

e-Link（Back）

e-Link（side）

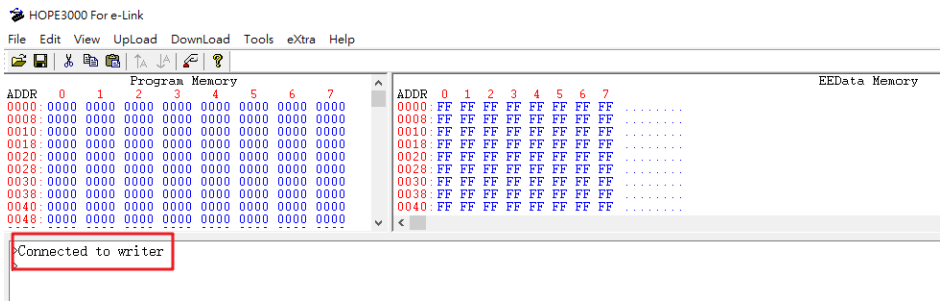


e-Link（side）

12: -	11: GND
10: -	9: ICPDA
6: -	7: X
8: -	5: ICPCK
4: -	3: -
2: -	1: VDD

(2) Hardware Connection Schematic Diagram is the same as "Figure 1"

Connect to the USB port for programming using the HOPE3000 For e-Link. If the connection was successful, a prompt will be generated informing that the programmer is connected. If there was a problem, refer to the HOPE3000 For e-Link User's Guide for details.



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