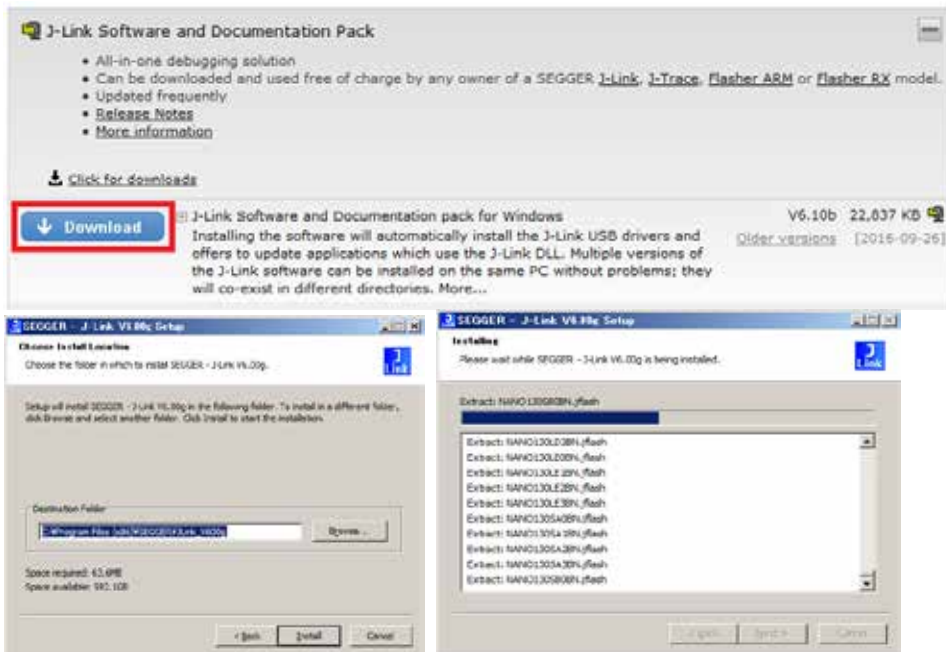
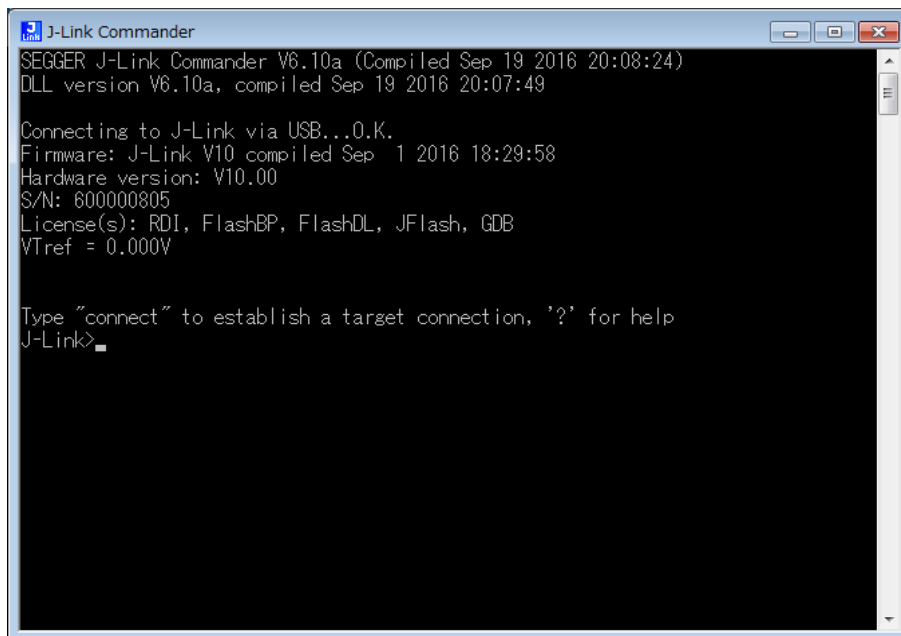
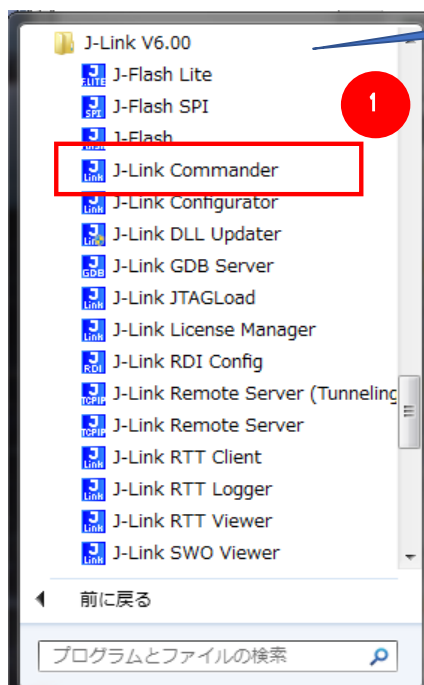


J-Link/Flasher本体をパソコンにUSB経由で接続する前に、SEGGER社のWEBページ（以下のURL）から最新版のJ-Linkソフトウェアをダウンロードしてパソコンにインストールしてください。

<https://www.segger.com/downloads/jlink>



J-Link/Flasher本体をパソコンに接続して「J-Link Commander」を起動



```
J-Link Commander
SEGGER J-Link Commander V6.10a (Compiled Sep 19 2016 20:08:24)
DLL version V6.10a, compiled Sep 19 2016 20:07:49

Connecting to J-Link via USB...O.K.
Firmware: J-Link V10 compiled Sep 1 2016 18:29:58
Hardware version: V10.00
S/N: 600000805
License(s): RDI, FlashBP, FlashDL, JFlash
VTref = 0.000V

Type "connect" to establish a target connection
J-Link>device R7S721000
J-Link>if JTAG
Selecting JTAG as current target interface.
J-Link>speed 4000
Selecting 4000 kHz as target interface speed
J-Link>connect
Device position in JTAG chain (IRPre,DRPre) <Default>: -1,-1 => Auto-detect
JTAGConf>
Device "R7S721001" selected
TotalIRLen = 4, IRPrint = 0x01
ARM AP[C0]: 0x44770001, AHB-AP
```

2

以下順にコマンドを入力
> device R7S721000
> if JTAG
> speed 4000
> connect

ENTERキー

3

```
J-Link Commander
D-Cache L1: 32 KB, 256 Sets, 32 Bytes/Line, 4-Way
System control register:
Instruction endian: little
Level-1 instruction cache enabled
Level-1 data cache enabled
MMU enabled
Branch prediction enabled
Found 1 JTAG device, Total IRLen = 4:
#0 Id: 0x4BA00477, IRLen: 4, IRPrint: 0x01, 0x01, 0x01, 0x01 JTAG-DP (ARM)
Cortex-A9 identified.
J-Link>r
Reset delay: 0 ms
Reset type NORMAL: Toggle
J-Link>h
PC: (R15) = 18000000, CPSR = 600001D3 (SVC mode, ARM FIQ dis. IRQ dis.)
Current:
R0 =18000000, R1 =00000000, R2 =000000D3, R3 =FCFE3A00
R4 =00000000, R5 =00000000, R6 =00000000, R7 =00000000
R8 =18000008, R9 =18000008, R10=00000000, R11=00000000, R12=00000000
R13=00000000, R14=00000000, SPSR=00000000
USR: R8 =00000000, R9 =00000000, R10=00000000, R11=00000000, R12=00000000
R13=20020FF8, R14=FFFF39AC
FIQ: R8 =00000000, R9 =00000000, R10=00000000, R11=00000000, R12=00000000
R13=00000000, R14=00000000, SPSR=7000F29F
IRQ: R13=00000000, R14=00000000, SPSR=6000011F
SVC: R13=00000000, R14=00000000, SPSR=2000011F
ABT: R13=00000000, R14=00000000, SPSR=980DD011
UND: R13=00000000, R14=00000000, SPSR=81000018
J-Link>
```

4 「r」を入力 -> CPU Reset

5 「h」を入力 -> CPU Halt

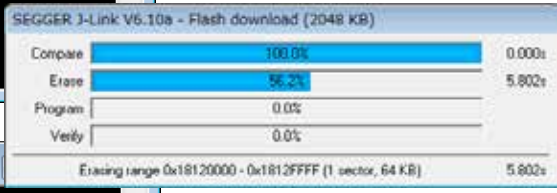
```

J-Link Commander
System control register:
Instruction endian: little
Level-1 instruction cache enabled
Level-1 data cache enabled
MMU enabled
Branch prediction enabled
Found 1 JTAG device, Total IRLen = 4:
#0 Id: 0x4BA00477, IRLen: 04, IRPrint: 0x1, CoreSight JTAG-DP (ARM)
Cortex-A9 identified.
J-Link>r
Reset delay: 0 ms
Reset type NORMAL: Toggle reset pin and halt CPU core.
J-Link>h
PC: (R15) = 18000000, CPSR = 600001D3 (SVC mode, ARM FIQ dis. IRQ dis.)
Current:
R0 =18000000, R1 =00000000, R2 =000000D3, R3 =FCFE3A00
R4 =00000000, R5 =00000000, R6 =00000000, R7 =00000000
R8 =18000008, R9 =18000008, R10=00000000, R11=00000000, R12=00000000
R13=00000000, R14=00000000, SPSR=00000000
USR: R8 =00000000, R9 =00000000, R10=00000000, R11=00000000, R12=00000000
R13=20020FF8, R14=FFFF39AC
FIQ: R8 =00000000, R9 =00000000, R10=00000000, R11=00000000, R12=00000000
R13=00000000, R14=00000000, SPSR=7000F00F
IRQ: R13=00000000, R14=00000000, SPSR=60000000
SVC: R13=00000000, R14=00000000, SPSR=20000000
ABT: R13=00000000, R14=00000000, SPSR=980DD011
UND: R13=00000000, R14=00000000, SPSR=81000000
J-Link>exec EnableEraseAllFlashBanks
J-Link>erase

```

「exec EnableEraseAllFlashBanks」を入力

「erase」を入力



```

J-Link Commander
R0 =18000000, R1 =00000000, R2 =000000D3, R3 =FCFE3A00
R4 =00000000, R5 =00000000, R6 =00000000, R7 =00000000
R8 =18000008, R9 =18000008, R10=00000000, R11=00000000, R12=00000000
R13=00000000, R14=00000000, SPSR=00000000
USR: R8 =00000000, R9 =00000000, R10=00000000, R11=00000000, R12=00000000
R13=20020FF8, R14=FFFF39A8
FIQ: R8 =00000000, R9 =00000000, R10=00000000, R11=00000000, R12=00000000
R13=00000000, R14=00000000, SPSR=A00D9BA2
IRQ: R13=00000000, R14=00000000, SPSR=6000011F
SVC: R13=00000000, R14=00000000, SPSR=810D4124
ABT: R13=00000000, R14=00000000, SPSR=D306358A
UND: R13=00000000, R14=00000000, SPSR=EF0C580E
J-Link>exec EnableEraseAllFlashBanks
J-Link>erase
Erasing device (R7S721001)...
J-Link: Flash download: Total time needed: 17.919s (Prepare: 0.048s, Compare: 0.000s, Erase: 17.866s, Program: 0.000s, Verify: 0.000s, Restore: 0.004s)
Erasing done.
J-Link>loadfile C:\Downloads\Samples\Testbin\TestFile_1024KB.bin 0x18000000
Downloading file [C:\Downloads\Samples\Testbin\TestFile_1024KB.bin]...
J-Link: Flash download: Flash programming performed for 1 range (1048576 bytes)
J-Link: Flash download: Total time needed: 15.719s (Prepare: 0.049s, Compare: 0.964s, Erase: 4.450s, Program: 9.222s, Verify: 0.955s, Restore: 0.076s)
O.K.
J-Link>

```

「loadfile C:\path\xyz.bin 0x18000000」を入力