



BEGIN

Set TWIHS clock
(CLDIV, CHDIV, CKDIV) in TWIHS_CWGR
(Needed only once)

Set the Control register:
TWIHS_CR = MSEN + SVDIS + ACMEN + SMBEN + PECEN

Set the Host Mode register:
- Device client address
Set the Alternative Command Register:
- DATAL, DIR, PEC

Load Transmit register
TWIHS_THR = Data to send

Read Status register

TXRDY = 1?

No

Yes

Data to send?

Yes

No

Read Status register

TXCOMP = 1?

No

Yes

END