



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