The following code examples show how to initialize the SPI as a Slave and how to perform a simple reception.

Assembly Code Example[1]

```
SPI_SlaveInit:
  ; Set MISO output, all others input
  ldi  r17,(1<<DD_MISO)
  out  DDR_SPI,r17
  ; Enable SPI
  ldi  r17,(1<<SPE)
  out  SPCR,r17
  ret

SPI_SlaveReceive:
  ; Wait for reception complete
  sbis SPSR,SPIF
  rjmp SPI_SlaveReceive
  ; Read received data and return
  in   r16,SPDR
  ret
```

C Code Example[1]

```
void SPI_SlaveInit(void)
{
  /* Set MISO output, all others input */
  DDR_SPI = (1<<DD_MISO);
  /* Enable SPI */
  SPCR = (1<<SPE);
}

char SPI_SlaveReceive(void)
{
  /* Wait for reception complete */
  while(!(SPSR & (1<<SPIF)))
    ;
  /* Return Data Register */
  return SPDR;
}
```

Note: 1. See "Code Examples" on page 7.