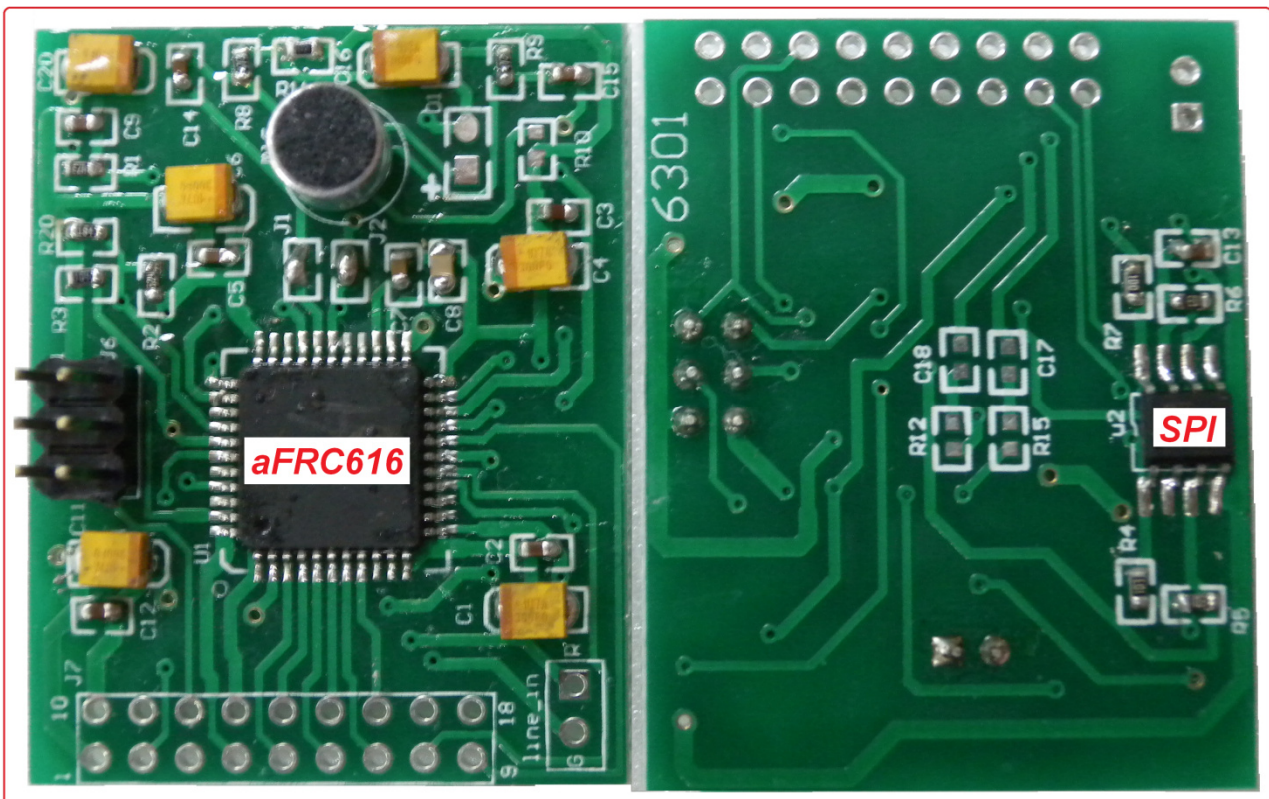


aFRC616M32S-C1.1 is 2 chip Solution(aFRC616 controller + 32M flash) recording module.

Offer CPU interface to address maximum 1024 messages recorded by microphone in or line in.

aFRC616M32S-C1.1 Recording Voice Module

Duration	680 sec
CPU series mode	SCK , SDI , SDO , /CS , /BusyL
Coding	4 bit , 12K sample rate
Code no.	aFRC616M32S _ C1.1
Operating Voltage	3.0V ~ 6.5V



	D15	D14	D13	D12	D11	D10	D9	D8	D7	D6	D5	D4	D3	D2	D1	D0
STOP	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DELETE	0	0	0	1	0	0	Voice no. in binary									
REC	0	0	1	0	0	0	Voice no. in binary									
PLAY	0	0	1	1	0	0	Voice no. in binary									
PUP	1	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0
PDN	1	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0
FORMAT	1	0	1	0	0	1	0	1	1	0	1	0	0	1	0	1

- FORMAT

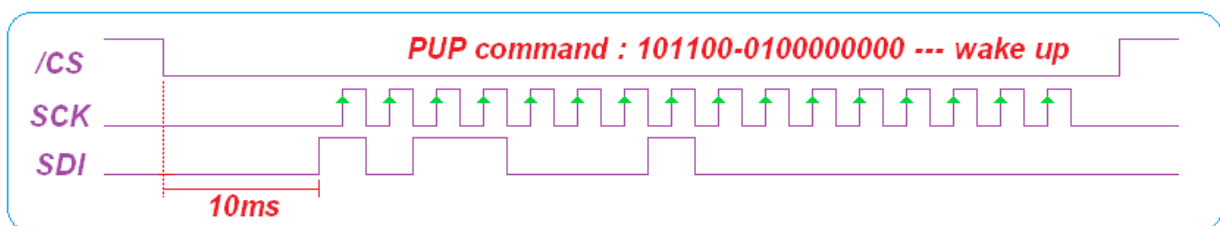
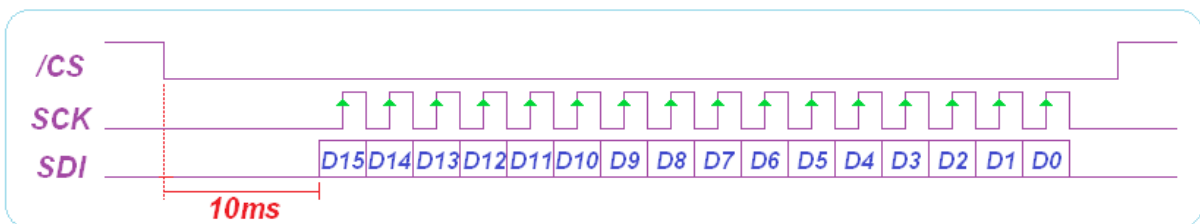
The FORMAT command is used to clear and re-configure data memory.

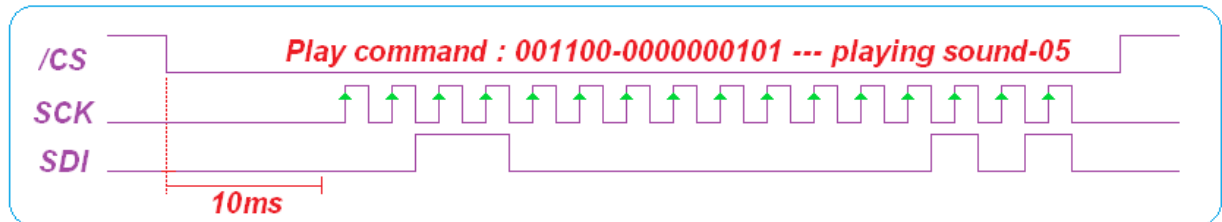
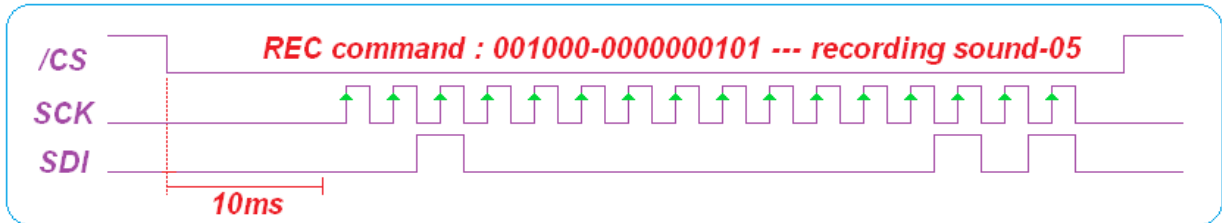
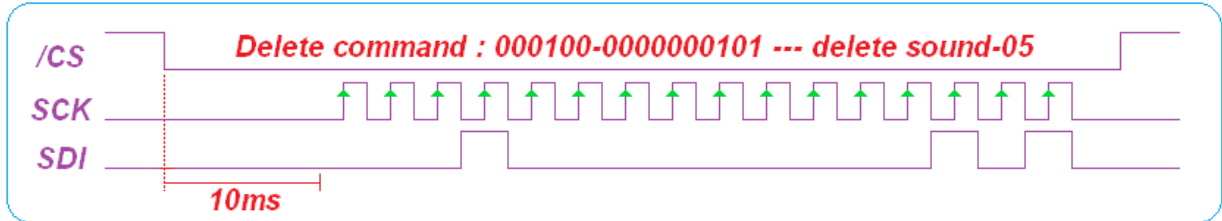
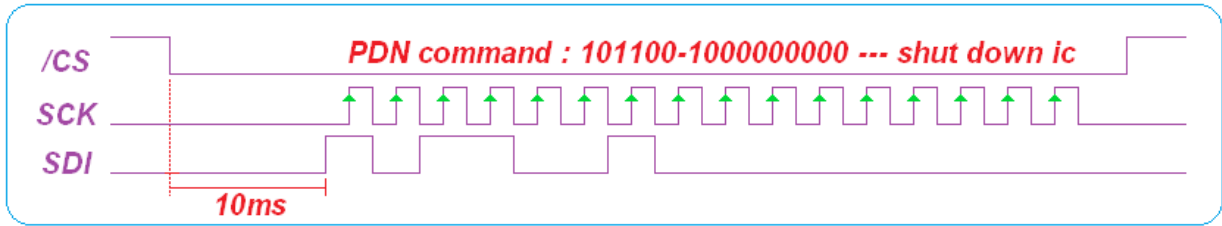
The FORMAT command is 1010010110100101 in binary, from bit-15 to bit-0.

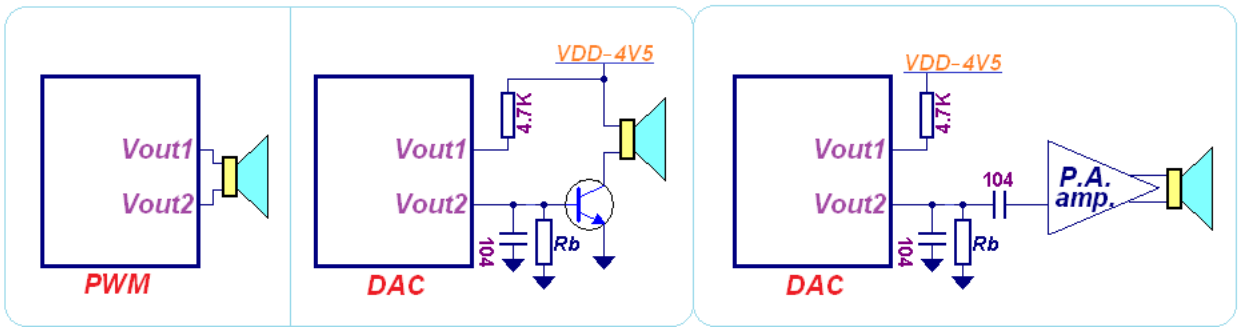
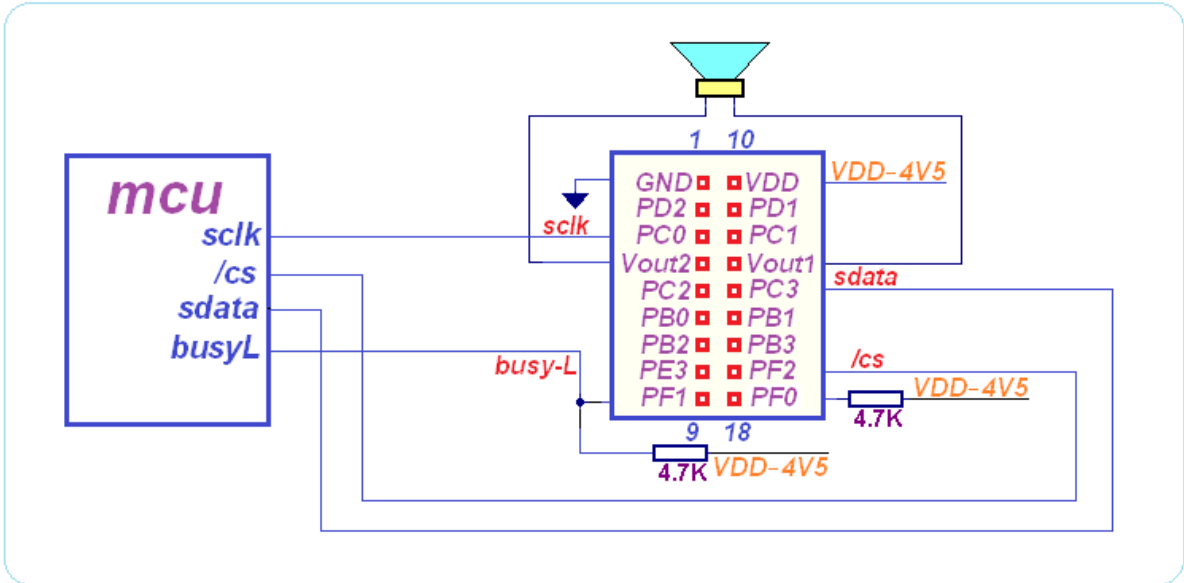
After the FORMAT command is sent, the /BUSY pin will be pulled to low to indicate the format operation has started. When the format operation is finished, the /BUSY pin will be released back to high.

All of the voice in the memory will be deleted after executing format operation.

NOTICE: Users must execute the Format command in the first time using.







1. RECORDING message :

- 1a. send [PUP] command [101100-0100000000]: ic wake up
- 1b. send [DELETE] command [000100-0000000101] : erase the address-05
 Busy pin change to [low] & start erase the address-05 memory
- 1c. waiting [ERASE] final : busy pin low change to high
- 1d. send [RECORD] command [001000-0000000101]
 Start recording voice address-05 & busy pin high change to low
- 1e1. stop Recording voice : send command [STOP = 000000-0000000000]
 & busy pin low change to high
- 1e2. recording over message : busy pin low change to high
- 1f. send the [PDN] command [101100-1000000000] ic shut down

2. PLAYING message :

- 2a. send [PUP] command [101100-0100000000]: ic wake up
- 2b. send [PLAY] command [001100-0000000101] start playing address-05
 & busy pin high change to low
- 2c. play ended : check the busy pin low change to high
- 2d. send the [PDN] command [101100-1000000000] ic shut down

● **LINE IN for Recording message :**

