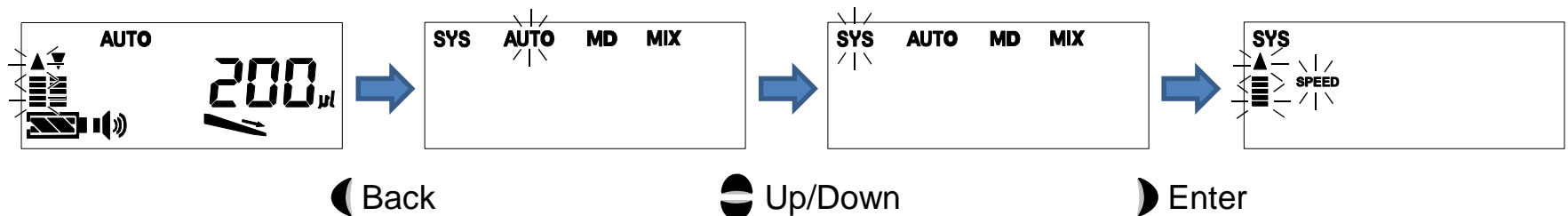





# ***VERY SIMPLE, MPA SERIES SETTING GUIDE***


# SYSTEM SETTING MODE “SYS” (1/3)

- Select “SYS” to enter the system setting mode



- Set each item by pressing

 Up/Down to change the setting


 Enter to confirm and proceed to the next item

 Back to go back to the previous item






# SYSTEM SETTING MODE “SYS” (2/3)

- Aspirating and dispensing speeds

 **SPEED**  
Aspirating speed

   
High Low

 **SPEED**  
Dispensing speed

   
High Low

- Buzzer ON/OFF

 ON  OFF



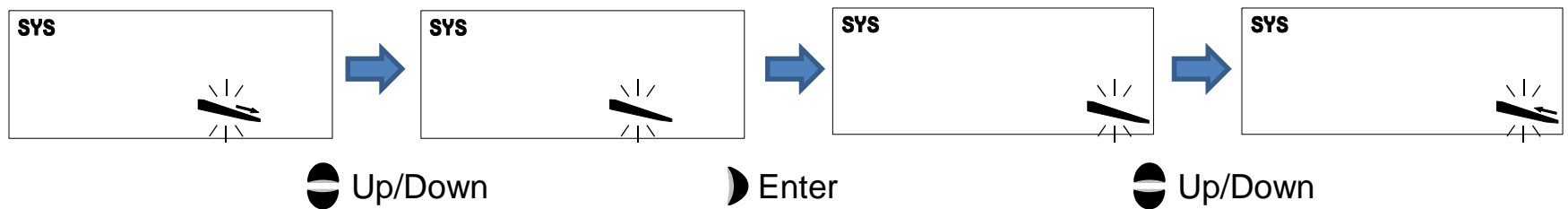
# SYSTEM SETTING MODE “SYS” (3/3)

- Blowout

 ON       OFF

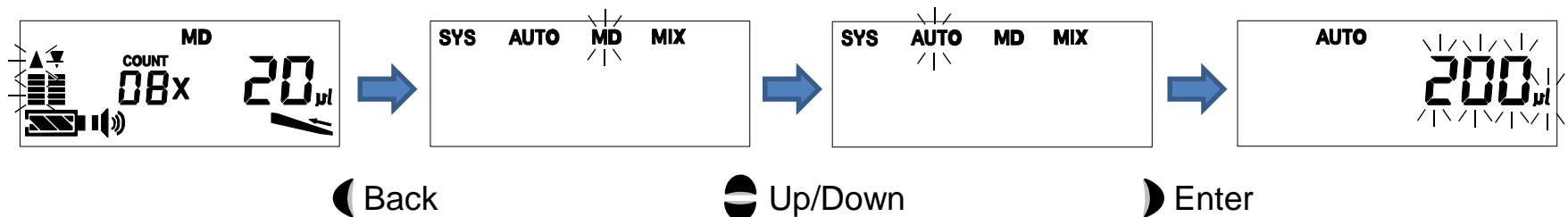
- Reverse operation

 OFF       ON

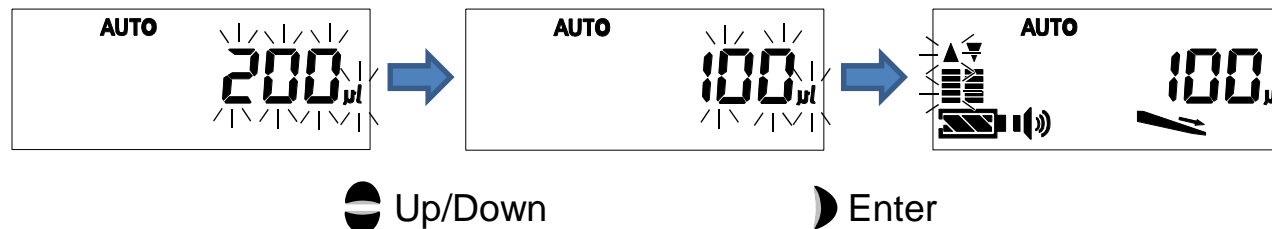


# STANDARD MODE “AUTO”

- Select “AUTO” to enter the standard mode



- Set the dispensing volume ( $\mu$ l\*)

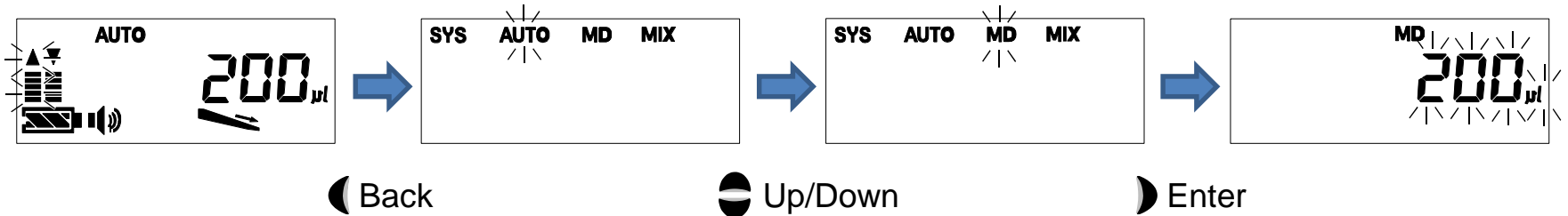


\* ml for the MPA-10000

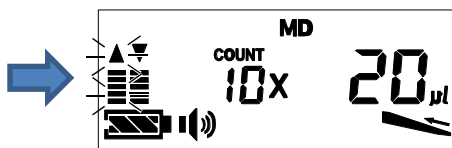
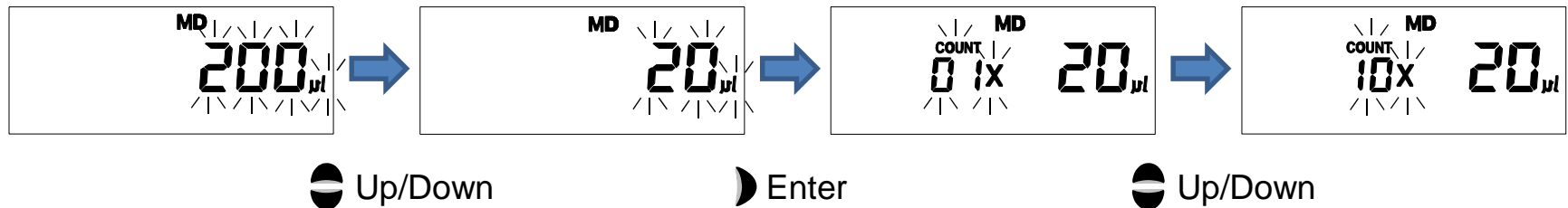


# MULTIPLE DISPENSING MODE “MD”

- Select “MD” to enter the multiple dispensing mode



- Set the volume for one dispensing (µl) and the number of dispensings (COUNT)

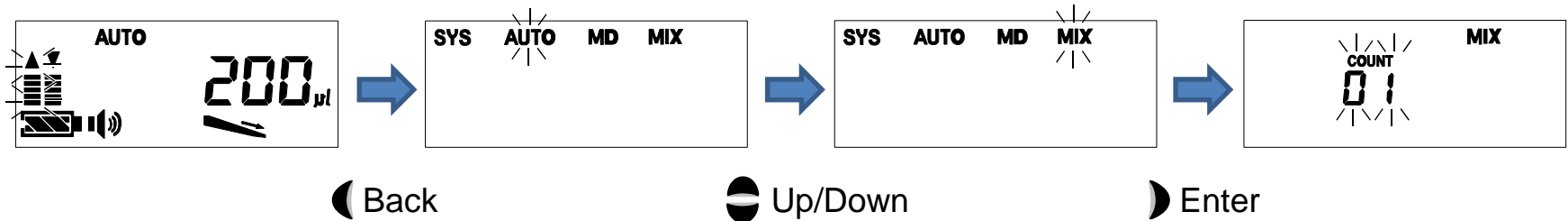


For multiple dispensing the reverse operation is automatically selected

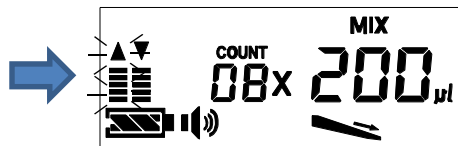
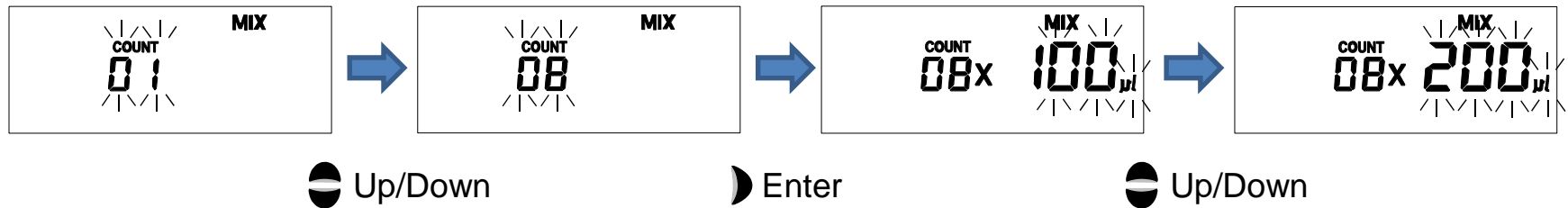


# MIXING MODE “MIX”

- Select “MIX” to enter the mixing mode



- Set the number of mixes (COUNT) and mixing volume (µl)

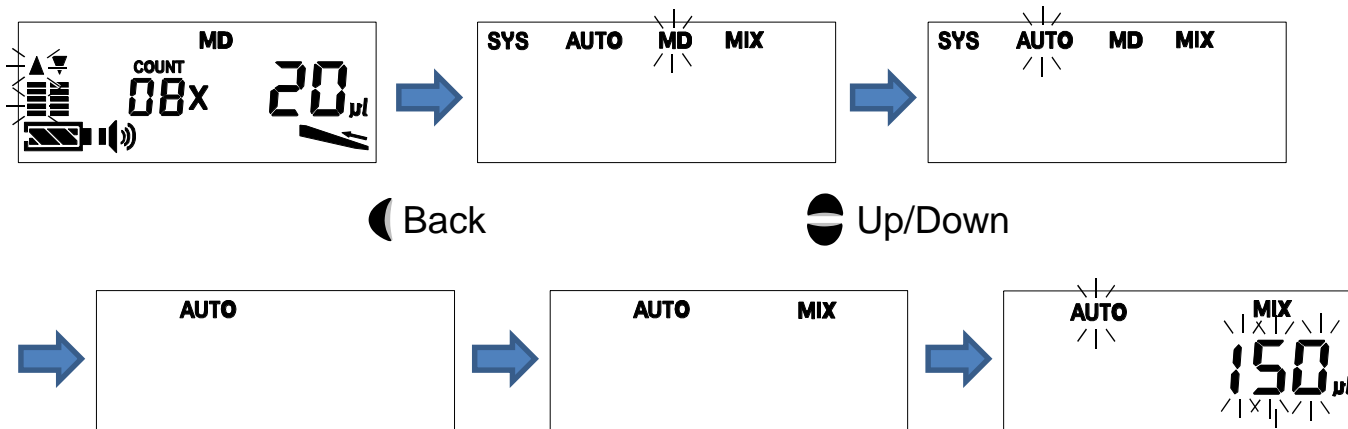


Enter

# DISPENSING AND MIXING MODE

## “AUTO+MIX” (1/2)

- Select “AUTO” and hold down the Enter key (for approx. 3 seconds) until “MIX” lights up to enter the dispensing and mixing mode



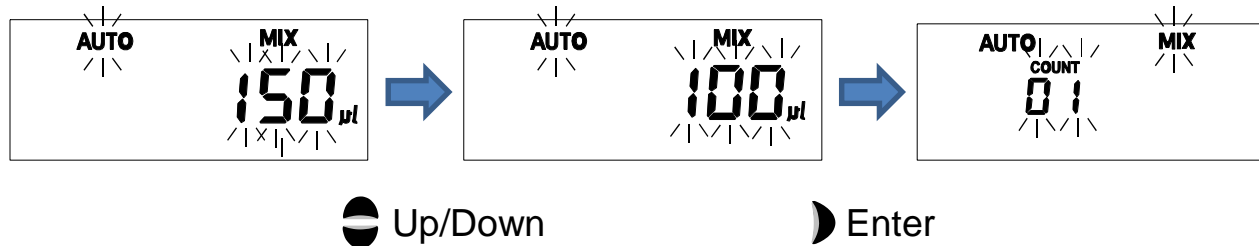
Enter (hold down)----- (hold down)----- (release)



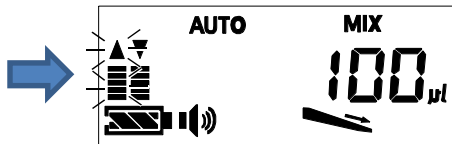
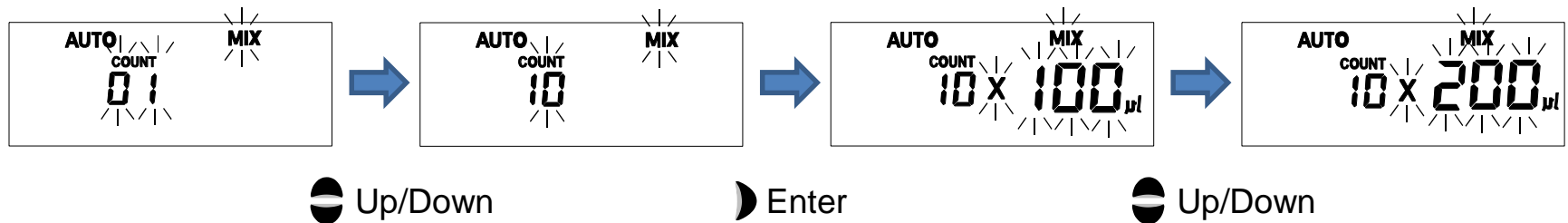
# DISPENSING AND MIXING MODE

## “AUTO+MIX” (2/2)

- Set the dispensing volume ( $\mu\text{l}$ )



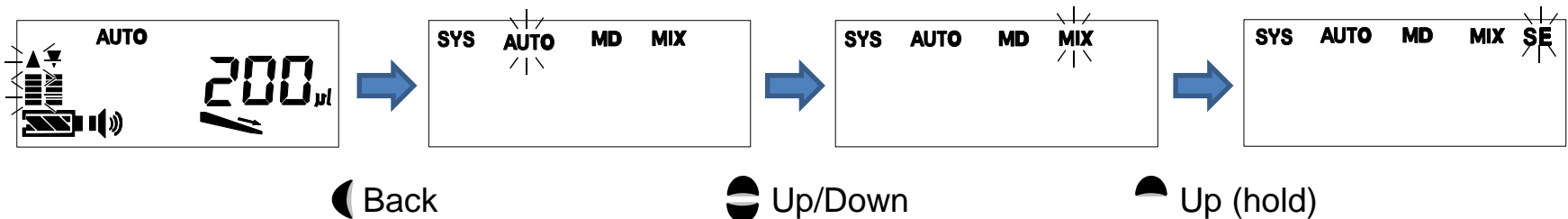
- Set the number of mixes (COUNT) and mixing volume ( $\mu\text{l}$ )



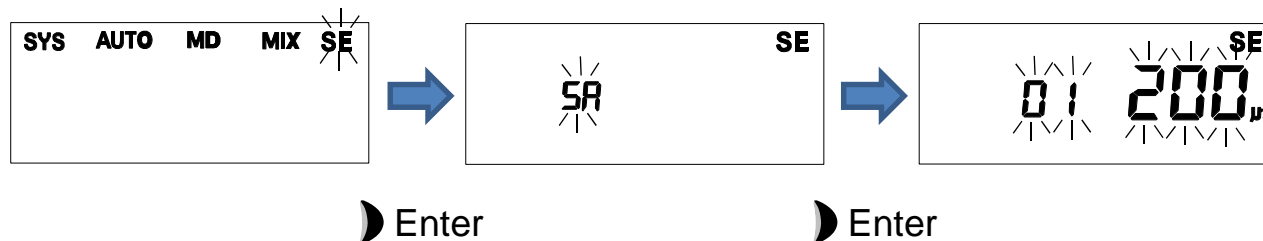
Enter

# SEQUENTIAL ASPIRATING MODE “SA” (1/2)

- Select “MIX” and hold down the Up key (for approx. 3 seconds) until “SE” starts flashing

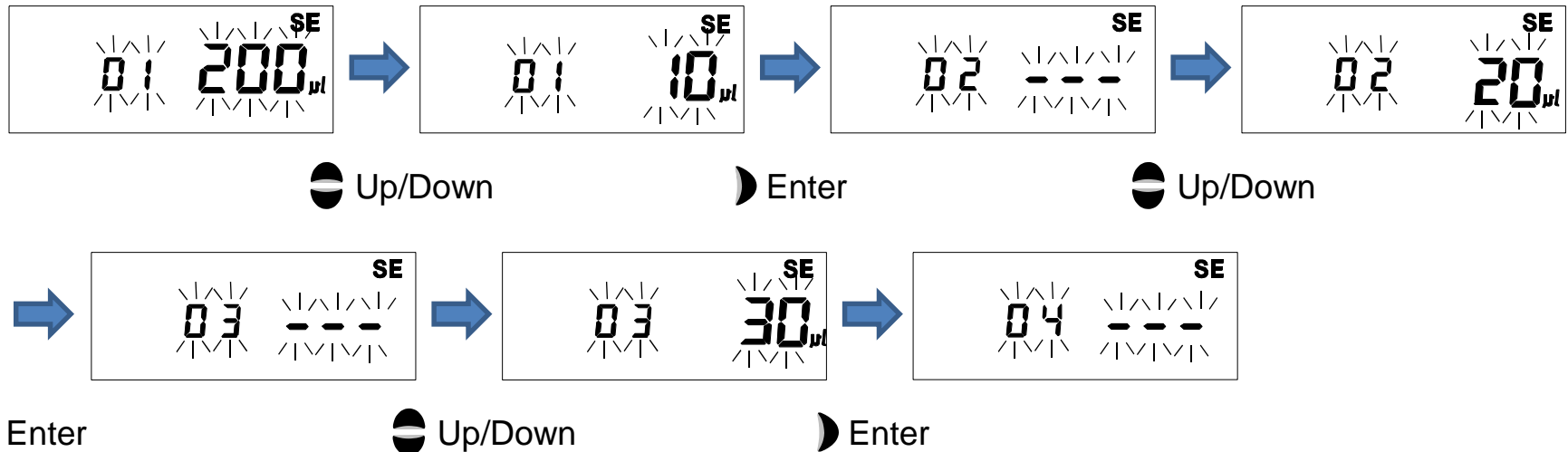


- Have “SA” displayed and enter the sequential aspirating mode

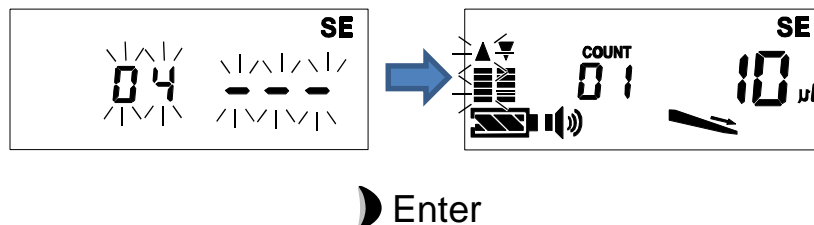


## SEQUENTIAL ASPIRATING MODE “SA” (2/2)

- Set the first, second, third (and further required) aspirating volumes ( $\mu\text{l}$ ) in order



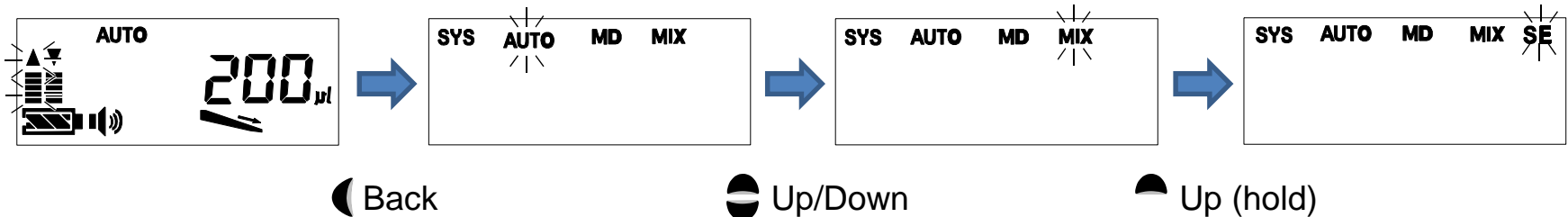
- Press the Enter key\* while “---” is displayed after all the required volumes are set



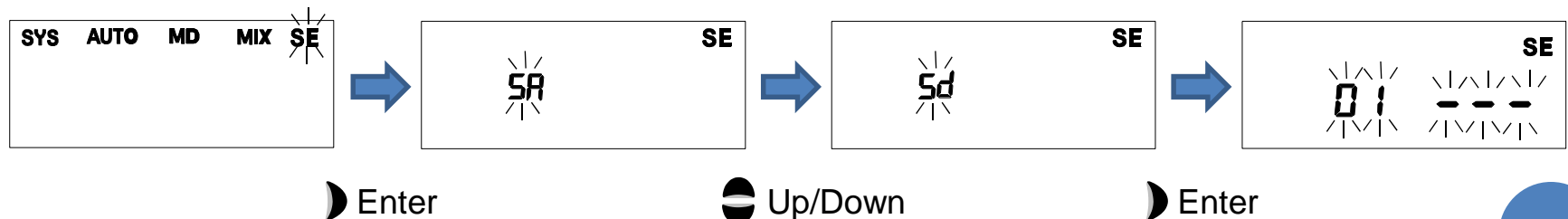
\* Setting will automatically terminate when the sum of all the aspirating volumes and air gaps (for the MPA-10/20/200 only) reached the pipette's maximum volume

# SEQUENTIAL DISPENSING MODE “SD” (1/2)

- Select “MIX” and hold down the Up key (for approx. 3 seconds) until “SE” starts flashing

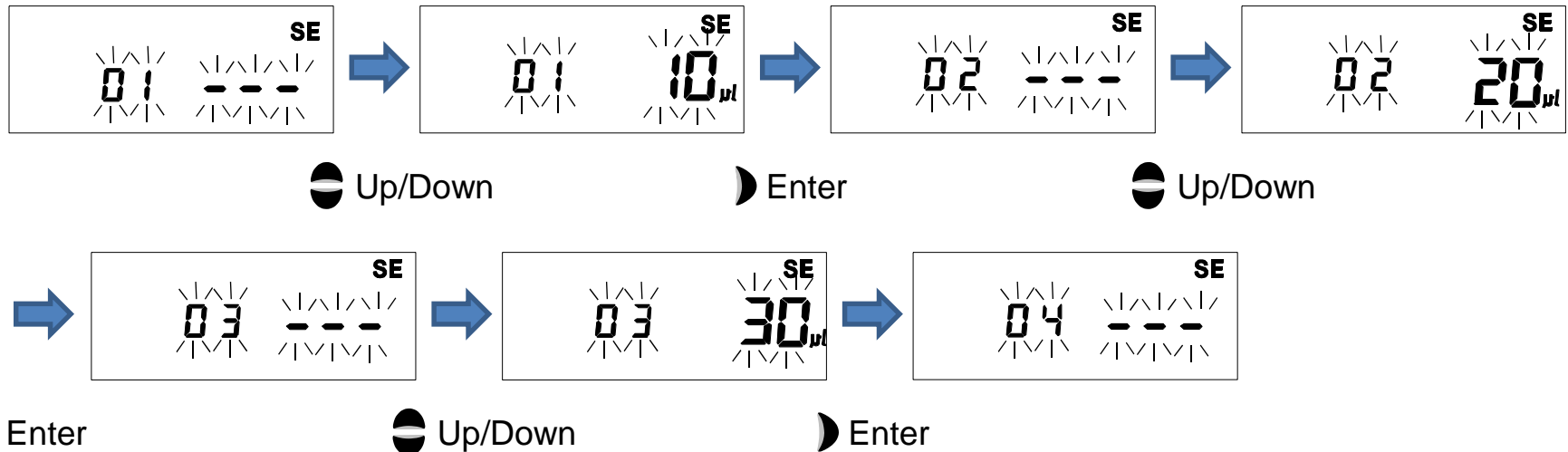


- Switch “SA” to “Sd” and enter the sequential dispensing mode

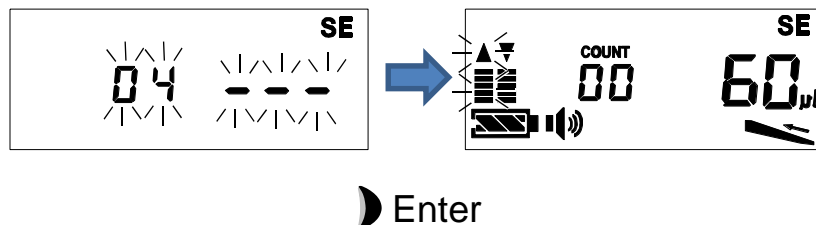


## SEQUENTIAL DISPENSING MODE “SD” (2/2)

- Set the first, second, third (and further required) dispensing volumes ( $\mu\text{l}$ ) in order



- Press the Enter key\* while “---” is displayed after all the required volumes are set



\* Setting will automatically terminate when the sum of all the dispensing volumes reached the pipette's maximum volume