

# MFA2xx commands

## Volume

- **Set volume down 3db**

command SVD

```
#|F001|web|SVDzz|0|U|<CR><LF>
```

zz = zone

reply:

```
#|F001|web|VDzz|+|U|<CR><LF>
```

```
#|ALL|F001|V01|v|U|<CR><LF>
```

```
#|ALL|F001|V02|v|U|<CR><LF>
```

v = volume

- **Set volume up 3db**

command SVU

```
#|F001|web|SVUzz|0|U|<CR><LF>
```

zz = zone

reply:

```
#|web|F001|VUzz|+|U|<CR><LF>
```

```
#|ALL|F001|V01|v|U|<CR><LF>
```

```
#|ALL|F001|V02|v|U|<CR><LF>
```

v = volume

- **Set Volume**

command SV

```
#|F001|web|SVzz|v|U|<CR><LF>
```

zz = zone

v = volume 10 = -10dB

reply:

```
#|web|F001|Vzz|+|U|<CR><LF>
```

```
#|ALL|F001|V01|v|U|<CR><LF>
```

```
#|ALL|F001|V02|v|U|<CR><LF>
```

- **Get Volume**

command GV

```
#|F001|web|GVzz|0|U|<CR><LF>
```

zz = zone

reply:

```
#|web|F001|Vzz|v|U|<CR><LF>
```

v = volume

- **Get Volume ALL**

command

```
#|F001|web|GVALL|0|U|<CR><LF>
```

reply:

```
#|web|F001|VALL|v^v|U|<CR><LF>
```

v = volume

## Routing

- **Set routing up**

command

```
#|F001|web|SRUzz|0|U|<CR><LF>
```

zz = zone

reply:

```
#|web|F001|R01|U|<CR><LF>
#|ALL|F001|R01|i^r|U|<CR><LF>
#|ALL|F001|R02|i^r|U|<CR><LF>
```

i = input enable, r = selected input

- **Set routing down**

command

```
#|F001|web|SRDzz|0|U|<CR><LF>
```

zz = zone

reply:

```
#|web|F001|RDzz|+|U|<CR><LF>
#|ALL|F001|R01|i^r|U|<CR><LF>
#|ALL|F001|R02|i^r|U|<CR><LF>
```

i = input enable, r = selected input

- **Set routing**

command

```
#|F001|web|SRzz|r|U|<CR><LF>
```

zz = zone

r = selected input

reply:

```
#|web|F001|SRzz|+|U|<CR><LF>
#|ALL|F001|R01|i^r|U|<CR><LF>
#|ALL|F001|R02|i^r|U|<CR><LF>
```

i = input enable, r = selected input

- **Get routing**

command

```
#|F001|web|GRzz|0|U|<CR><LF>
```

zz = zone

reply:

```
#|web|F001|Rzz|r^r|U|<CR><LF>
```

r = selected input

- **Get Routing ALL**

command

```
#|F001|web|GRALL|0|U|<CR><LF>
```

reply:

```
#|web|F001|RALL|r^r|U|<CR><LF>
```

r = selected input

## Input enable

- **Set Input enable**

command

```
#|F001|web|SIEzz|i1^i2^i3^i4^i5^i6^i7^i8|U|<CR><LF>
```

zz = zone

i1..i8 = input 1 to 11

reply:

```
#|web|F001|IEzz|+|U|<CR><LF>
#|ALL|F001|IEzz|i1^i2^i3^i4^i5^i6^i7^i8|U|<CR><LF>
```

- **Get Input enable**

command

```
#|F001|web|GIEzz|0|U|<CR><LF>
```

zz = zone

reply:

```
#|web|F001||Ezz|i1^i2^i3^i4^i5^i6^i7^i8|U|<CR><LF>
```

i1..i8 = input 1 to 11

## Mute

- **Set Mute**

command

```
#|F001|web|SMzz|m|U|<CR><LF>
```

zz = zone

m = 0,1 1 = muted

reply:

```
#|web|F001|SMzz|+|U|<CR><LF>
```

```
#|ALL|F001|M01|m|U|<CR><LF>
```

```
#|ALL|F001|M02|m|U|<CR><LF>
```

- **Get Mute**

command

```
#|F001|web|GMzz|0|U|<CR><LF>
```

zz = zone

reply:

```
#|web|F001|Mzz|m|U|<CR><LF>
```

m = 0,1 1 = muted

- **Get Mute ALL**

command

```
#|F001|web|GMALL|0|U|<CR><LF>
```

reply:

```
#|web|F001|MALL|m^m|U|<CR><LF>
```

m = 0,1 1 = muted

## Input names

- **Get Input names**

command

```
#|F001|web|GIN|0|U|<CR><LF>
```

reply:

```
#|web|F001|IN|n1^n2^n3^n4^n5^n6^n7^n8^n9^n10^n11|U|<CR><LF>
```

n = name of input, max 15 char

starts from name 1 = microphone

- **Set Input names**

command

```
#|F001|web|SIN|n1^n2^n3^n4^n5^n6^n7^n8^n9^n10^n11|U|<CR><LF>
```

n = name of input, max 15 char

starts from name 1 = microphone

reply:

```
#|web|F001|SIN|+|U|<CR><LF>
```

```
#|ALL|F001|IN|n1^n2^n3^n4^n5^n6^n7^n8^n9^n10^n11|U|<CR><LF>
```

n = name of input, max 15 char

## Output names

- **Get zone ( output ) names**

command

```
#|F001|web|GZN|0|U|<CR><LF>
```

reply:

```
#|web|F001|ZN|n0^n1^d1^d2^d3^d4|U|<CR><LF>
```

n = name of zone, max 15 char  
d = name of dante zone, max 15 char

- **Set zone ( output ) names**

command

```
#|F001|web|SZN|n0^n1^d1^d2^d3^d4|U|<CR><LF>
```

n = name of zone, max 15 char  
d = name of dante zone, max 15 char

reply:

```
#|web|F001|SZN|+|U|<CR><LF>  
#|ALL|F001|ZN|n0^n1^d1^d2^d3^d4|U|<CR><LF>
```

n = name of zone, max 15 char  
d = name of dante zone, max 15 char

## Filter

- **Set Filter**

command

```
#|F001|web|SFLTzz|lh^type^freq^order|U|<CR><LF>
```

zz zone  
lh 2 (LOWPASS) 3 (HIGHPASS)  
type 0(off), 1(butterworth), 2 (BESSEL), 3(LINKWITZ RILEY)  
freq 10 to 20000  
order 2 or 4

reply:

```
#|web|F001|SFLTzz|+|U|<CR><LF>  
#|ALL|F001|FLTzz|lh^t^f^o|U|<CR><LF>
```

- **Get Filter**

command

```
#|F001|web|GFLTzz|0|U|<CR><LF>
```

zz = zone  
reply:

```
#|web|F001|FLTzz|lh^type^freq^order|U|<CR><LF>
```

zz zone  
lh 2 (LOWPASS) 3 (HIGHPASS)  
type 0(off), 1(butterworth), 2 (BESSEL), 3(LINKWITZ RILEY)  
freq 10 to 20000  
order 2 or 4

## Equaliser Input Output

- **Set Input/output EQ**

command

```
#|F001|web|SEQZzz|nr^enable^freq^q^boost^gain|U|<CR><LF>
```

zz = zone  
nr 1 to 7  
enable 0 or 1  
freq 10 to 20000  
q 1 to 99 (0.1 to 9.9)  
boost -30 to 30 (-30dB to +30dB)  
gain -10 to 10 (-10dB to +10dB)

reply:

```
#|web|F001|SEQZzz|+|U|<CR><LF>  
#|ALL|F001|EQZzz|nr^enable^freq^q^boost^gain|U|<CR><LF>
```

- **Get Input/output EQ**

command

```
#|F001|web|GEQZzz|nr|U|<CR><LF>
```

zz zone  
nr 1 - 7

reply:

```
#|web|F001|EQZzz|nr^enable^freq^q^boost^gain|U|<CR><LF>
```

nr 1 to 7  
enable 0 or 1  
freq 10 to 20000  
q 1 to 99 (0.1 to 9.9)  
boost -30 to 30 (-30dB to +30dB)  
gain -10 to 10 (-10dB to +10dB)

- **Get Input/output ALL EQ**

command

```
#|F001|web|GEQZALLzz||U|<CR><LF>
```

zz zone

reply:

```
#|web|F001|EQZALLzz|enable1^freq1^q1^boost1^gain1^ ... ^enable7^freq7^q7^boost7^gain7|U|<CR><LF>
```

enable 0 or 1  
freq 10 to 20000  
q 1 to 99 (0.1 to 9.9)  
boost -30 to 30 (-30dB to +30dB)  
gain -10 to 10 (-10dB to +10dB)

## Delay

- **Set delay in samples**

command

```
#|F001|web|SDESzz|samples|U|<CR><LF>
```

zz zone  
samples 1 to 1700

reply:

```
#|web|F001|SDESzz|+|U|<CR><LF>  
#|ALL|F001|DESzz|samples|U|<CR><LF>
```

- **Get delay in samples**

command

```
#|F001|web|GDESzz|0|U|<CR><LF>
```

zz zone

reply:

```
#|web|F001|DESzz|samples|U|<CR><LF>  
samples 1 to 1700
```

- **Set delay in ms**

command

```
#|F001|web|SDELzz|d|U|<CR><LF>
```

zz zone  
d 0 to 35ms

reply:

```
#|web|F001|SDELzz|+|U|<CR><LF>  
#|ALL|F001|DELzz|d|U|<CR><LF>
```

- **Get delay in ms**

command

```
#|F001|web|GDELzz|0|U|<CR><LF>
```

zz zone

reply:

```
#|web|F001|DELzz|d|U|<CR><LF>
```

d 0 to 35 ms

## Max volume

- **Set max volume**

command

```
#|F001|web|SMVzz|volume|U|<CR><LF>
```

```
zz zone  
volume 0 to 70 (0dB to -70dB)
```

reply:

```
#|web|F001|SMVzz|+|U|<CR><LF>  
#|ALL|F001|MVzz|volume|U|<CR><LF>
```

- **Get max volume**

command

```
#|F001|web|GMVzz|0|U|<CR><LF>
```

```
zz zone
```

reply:

```
#|web|F001|MVzz|volume|U|<CR><LF>  
volume 0 to 70 (0dB to -70dB)
```

## Standby

- **Set amplifier standby**

command

```
#|F001|web|SSBYzz|standby|U|<CR><LF>
```

```
zz zone  
standby 0 or 1 (1 = standby)
```

reply:

```
#|web|F001|SSBYzz|+|U|<CR><LF>  
#|ALL|F001|SBYzz|standby|U|<CR><LF>
```

- **Get amplifier standby**

command

```
#|F001|web|GSBYzz|standby|U|<CR><LF>
```

```
zz zone
```

reply:

```
#|web|F001|SBYzz|standby|U|<CR><LF>  
standby 0 or 1 (1 = standby)
```

- **Set standby time**

command

```
#|F001|web|SSBTzz|time|U|<CR><LF>
```

```
zz zone  
time 0 to 999 minutes (0 = standby disabled)
```

reply:

```
#|web|F001|SSBTzz|+|U|<CR><LF>  
#|ALL|F001|SBTzz|time|U|<CR><LF>
```

- **Get standby time**

command

```
#|F001|web|GSBTzz|0|U|<CR><LF>
```

```
zz zone
```

reply:

```
#|web|F001|SBTzz|time|U|<CR><LF>
```

time 0 to 999 minutes (0 = standby disabled)

## Limiter

- **Set peak power limiter**

command

```
#|F001|web|SPPLzz|power|<CR><LF>
```

zz zone

power 10 to 80W or 160W ( only for 4/8Ohm, not for 70V and 100V )

reply:

```
#|web|F001|SPPLzz|+|U|<CR><LF>
```

```
#|ALL|F001|PPLzz|power|U|<CR><LF>
```

- **Get Peak power limiter**

command

```
#|F001|web|GPPLzz|0|U|<CR><LF>
```

zz zone

reply:

```
#|web|F001|PPLzz|power|U|<CR><LF>
```

power 10 to 80W or 160W ( only for 4/8Ohm, not for 70V and 100V )

## Output type

- **Set output type**

command

```
#|F001|web|SOTzz|t|<CR><LF>
```

zz zone

t 1 to 6 ( 1 = 100v, 2 = 70V, 3 = 2 Ohm, 4 = 4 Ohm, 5 = 8 Ohm, 6 = 16 Ohm )

2 Ohm not supported

reply:

```
#|web|F001|SOTzz|+|U|<CR><LF>
```

```
#|ALL|F001|OTzz|t|U|<CR><LF>
```

- **Get output type**

command

```
#|F001|web|GOTzz|0|U|<CR><LF>
```

zz zone

reply:

```
#|web|F001|OTzz|t|U|<CR><LF>
```

t 1 to 6 ( 1 = 100v, 2 = 70V, 3 = 2 Ohm, 4 = 4 Ohm, 5 = 8 Ohm, 6 = 16 Ohm )

2 Ohm not supported

## Antiphase

- **Set Antiphase**

command

```
#|F001|web|SAPHzz|l|r|U|<CR><LF>
```

zz = zone

l,r = 0,1 l is used when mono ( 100V or 70V)

reply:

```
#|web|F001|SAPHzz|+|U|<CR><LF>
```

```
#|ALL|F001|APHzz|l|r|U|<CR><LF>
```

- **Get Antiphase**

command

```
#|F001|web|GAPHzz||U|<CR><LF>
```

```
zz = zone
```

reply:

```
#|web|F001|APHzz||r|U|<CR><LF>
```

```
l,r = 0,1 l is used when mono ( 100V or 70V)
```

## Speaker filter

- **Set speakerfilter**

command

```
#|F001|web|SSPFzz|nr^type^freqz^freqp^qz^qp^boost^gain|U|<CR><LF>
```

```
zz zone 1 or 2
nr 1 - 12
type
0 DISABLED
1 PEAKING
2 LOWPASS
3 HIGHPASS
4 LINKWITZ_TRANSFORM
5 ALLPASS
6 LOWSHELF
7 HIGHSHELF
10 FO_LOWPASS
11 FO_HIGHPASS
freqz 10-20000
freqp 10-20000
qz 10 - 150 (0.1 to 1.5)
qp 10 - 150 (0.1 to 1.5)
boost -300 to 300 (-30dB to +30dB)
gain -100 to 100 (-10dB to +10dB)
```

reply:

```
#|web|F001|SSPFzz|+|U|<CR><LF>
```

```
#|ALL|F001|SPFzz|nr^type^freqz^freqp^qz^qp^boost^gain|U|<CR><LF>
```

- **Get speakerfilter**

command

```
#|F001|web|GSPFzz|nr|U|<CR><LF>
```

```
zz zone 1 or 2
nr 1 - 12
```

reply:

```
#|web|F001|SPFzz|nr^type^freqz^freqp^qz^qp^boost^gain|U|<CR><LF>
```

```
nr 1 - 12
type
0 DISABLED
1 PEAKING
2 LOWPASS
3 HIGHPASS
4 LINKWITZ_TRANSFORM
5 ALLPASS
6 LOWSHELF
7 HIGHSHELF
10 FO_LOWPASS
11 FO_HIGHPASS
freqz 10-20000
freqp 10-20000
qz 10 - 150 (0.1 to 1.5)
qp 10 - 150 (0.1 to 1.5)
boost -300 to 300 (-30dB to +30dB)
gain -100 to 100 (-10dB to +10dB)
```

- **Clear all speakerfilter**

command

```
#|F001|web|CLRAzz|nr|U|<CR><LF>
```

```
zz zone 1 or 2
nr 1 - 12
```

reply:



```
#|web|F001|CLRAzz|+|U|<CR><LF>
#|ALL|F001|SPFz|1^0^freqz^freqp^qz^qp^boost^gain|U|<CR><LF>
to
#|ALL|F001|SPFz|12^0^freqz^freqp^qz^qp^boost^gain|U|<CR><LF>
```

- **Get all speakerfilter**

command

```
#|F001|web|GSPFALLzz|0|U|<CR><LF>

zz zone 1 or 2
```

reply:

```
#|web|F001|SPFALLzz|type1^freqz1^freqp1^qz1^qp1^boost1^gain1^ ..... ^type12^freqz12^freqp12^qz12^qp12^boost12^gain12|U|<CR><LF>

type
0 DISABLED
1 PEAKING
2 LOWPASS
3 HIGHPASS
4 LINKWITZ_TRANSFORM
5 ALLPASS
6 LOWSHELF
7 HIGHSHELF
10 FO_LOWPASS
11 FO_HIGHPASS
freqz 10-20000
freqp 10-20000
qz 10 - 150 (0.1 to 1.5)
qp 10 - 150 (0.1 to 1.5)
boost -300 to 300 (-30dB to +30dB)
gain -100 to 100 (-10dB to +10dB)
```

## Talkover

- **Set Talkover enable/input**

command

```
#|F001|web|STOEzz|e^i|U|<CR><LF>

zz zone
e = 0,1 0 = disable, 1 = enable
i = 1 to 8
1 = mic
2 = line/module
3 = Dante1
4 = Dante2
5 = Dante1_2
6 = Dante3
7 = Dante4
8 = Dante3_4
```

reply:

```
#|web|F001|STOEzz|+|U|<CR><LF>
#|ALL|F001|TOEzz|e^i|U|<CR><LF>
```

- **Get Talkover enable/input**

command

```
#|F001|web|GTOEzz|0|U|<CR><LF>

zz zone
```

reply:

```
#|web|F001|TOEzz|e^i|U|<CR><LF>

e = 0,1 0 = disable, 1 = enable
i = 1 to 8
1 = mic
2 = line/module
3 = Dante1
4 = Dante2
5 = Dante1_2
6 = Dante3
7 = Dante4
8 = Dante3_4
```

- **Set Talkover parameters**

command

```
#|F001|web|STOzz|e^i^t^i|^a^h^d|U|<CR><LF>
```

```
zz zone
e = 0,1 0 = disable, 1 = enable
i = 1 to 8
1 = mic
2 = line/module
3 = Dante1
4 = Dante2
5 = Dante1_2
6 = Dante3
7 = Dante4
8 = Dante3_4
t = threshold level in dB
il = input ducking level in dB
a = attack in ms (100 to 9999)
h = hold in ms (100 to 9999)
d = decay in ms (100 to 9999)
```

reply:

```
#|web|F001|STOzz|+|U|<CR><LF>
#|ALL|F001|TOzz|e^i^t^i|^a^h^d|U|<CR><LF>
```

- **Get Talkover parameters**

command

```
#|F001|web|GTOzz|0|U|<CR><LF>
```

```
zz zone
```

reply:

```
#|web|F001|TOzz|e^i^t^i|^a^h^d|U|<CR><LF>
```

```
e = 0,1 0 = disable, 1 = enable
i = 1 to 8
1 = mic
2 = line/module
3 = Dante1
4 = Dante2
5 = Dante1_2
6 = Dante3
7 = Dante4
8 = Dante3_4
t = threshold level in dB
il = input ducking level in dB
a = attack in ms
h = hold in ms
d = decay in ms
```

## Prio

- **Set Prio enable/input**

command

```
#|F001|web|SPREzz|e^i|U|<CR><LF>
```

```
zz zone
e = 0,1 0 = disable, 1 = enable
i = 1 to 8
1 = mic
2 = line/module
3 = Dante1
4 = Dante2
5 = Dante1_2
6 = Dante3
7 = Dante4
8 = Dante3_4
```

reply:

```
#|web|F001|SPREzz|+|U|<CR><LF>
#|ALL|F001|PREzz|e^i|U|<CR><LF>
```

- **Get Prio enable/input**

command

```
#|F001|web|GPREzz|0|U|<CR><LF>
```

```
zz zone
reply:
```

```
#|web|F001|PREzz|e^i|U|<CR><LF>
```

e = 0,1 0 = disable, 1 = enable  
i = 1 to 8  
1 = mic  
2 = line/module  
3 = Dante1  
4 = Dante2  
5 = Dante1\_2  
6 = Dante3  
7 = Dante4  
8 = Dante3\_4

- **Set Prio parameters**

command

```
#|F001|web|SPRzz|e^i^t^l^a^h^d|U|<CR><LF>
```

zz zone  
e = 0,1 0 = disable, 1 = enable  
i = 1 to 8  
1 = mic  
2 = line/module  
3 = Dante1  
4 = Dante2  
5 = Dante1\_2  
6 = Dante3  
7 = Dante4  
8 = Dante3\_4  
t = threshold level in dB  
l = prio level in dB  
a = attack in ms (100 to 9999)  
h = hold in ms (100 to 9999)  
d = decay in ms (100 to 9999)

reply:

```
#|web|F001|STOzz|+|U|<CR><LF>  
#|ALL|F001|TOzz|e^i^t^l^a^h^d|U|<CR><LF>
```

- **Get Prio parameters**

command

```
#|F001|web|GPRzz|0|U|<CR><LF>
```

zz zone

reply:

```
#|web|F001|PRzz|e^i^t^l^a^h^d|U|<CR><LF>
```

e = 0,1 0 = disable, 1 = enable  
i = 1 to 8  
1 = mic  
2 = line/module  
3 = Dante1  
4 = Dante2  
5 = Dante1\_2  
6 = Dante3  
7 = Dante4  
8 = Dante3\_4  
t = threshold level in dB  
l = prio level in dB  
a = attack in ms  
h = hold in ms  
d = decay in ms

## Device name

- **Get name**

command

```
#|F001|web|GNM|0|U|<CR><LF>
```

reply:

```
#|web|F001|NM|n|U|<CR><LF>
```

n = name, max 31 char

- **Set name**

command

```
#|F001|web|SNM|n|U|<CR><LF>
```

n = name of zone, max 31 char

reply:

```
#|web|F001|SNM|+|U|<CR><LF>
```

```
#|ALL|F001|NM|n|U|<CR><LF>
```

n = name of zone, max 31 char

## Dante

- **Get dante device id**

command

```
#|F001|web|GDNT|0|U|<CR><LF>
```

reply:

```
#|web|F001|DNT|id|U|<CR><LF>
```

id = "ANI", "ANI44", "ANI22", "ANI44x", "ANI22x"