

MZ-140D MAXIMUM LOADING

Absolute maximum loading for MZ-140D per zone is shown in the table below. Best practice states a roughly 10% de-rating margin should be applied to these figures to allow for cable loses etc.

Max Loading Per Zone								
Mode	4 OHM	8 OHM	HiZ 70V	HiZ 100V				
Zones	2	2	2	2				
Max Power Per Zone	95W	140W *	140W	120W				
Minimum Impedance	4 OHMS	8 OHMS	8 OHMS	8 OHMS				
SPEAKER MODE	TNi-W4	TNi-W6	TNi-W8	TNi-C4	TNi-C6	TNi-C8	TNi-W8PRO	TNi-W12PRO
Lo-Z	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Max QTY Per Zone	2	2	2	2	2	2	2	2
100V Power Max	30 W	40 W	40 W	30 W	40 W	40 W	-	-
Max QTY Per Zone	4	3	3	4	3	3	-	-
Total Impedance	83	83	83	83	83	83	-	-
Total Power	120	120	120	120	120	120	-	-
100V Power Mid 1	15 W	20 W	20 W	15 W	20 W	20 W	-	-
Max QTY Per Zone	8	6	6	8	6	6	-	-
Total Impedance	83	83	83	83	83	83	-	-
Total Power	120	120	120	120	120	120	-	-
100V Power Mid 2	6 W	10 W	10 W	-	-	-	-	-
Max QTY Per Zone	20	12	12	-	-	-	-	-
Total Impedance	83	83	83	-	-	-	-	-
Total Power	120	120	120	-	-	-	-	-
100V Power Low	3 W	5 W	5 W	6 W	10 W	10 W	-	-
Max QTY Per Zone	40	24	24	20	12	12	-	-
Total Impedance	83	83	83	83	83	83	-	-
Total Power	120	120	120	120	120	120	-	-
70V Power Max	15 W	20 W	20 W	15 W	20 W	20 W	-	-
Max QTY Per Zone	9	7	7	9	7	7	-	-
Total Impedance	36	35	35	36	35	35	-	-
Total Power	135	140	140	135	140	140	-	-
70V Power Mid 1	7.5 W	10 W	10 W	7.5 W	10 W	10 W	-	-
Max QTY Per Zone	17	13	13	18	14	14	-	-
Total Impedance	38	38	38	36	35	35	-	-
Total Power	127.5	130	130	135	140	140	-	-
70V Power Mid 2	3 W	5 W	5 W	-	-	-	-	-
Max QTY Per Zone	46	28	28	-	-	-	-	-
Total Impedance	36	35	35	-	-	-	-	-
Total Power	138	140	140	-	-	-	-	-
70V Power Low	1.5 W	2.5 W	2.5 W	3 W	5 W	5 W	-	-
Max QTY Per Zone	92	56	56	46	28	28	-	-
Total Impedance	36	35	35	36	35	35	-	-
Total Power	138	140	140	138	140	140	-	-

* 130W AT 100-120V-- MAINS INPUT VOLTAGE



MZ-140Q MAXIMUM LOADING

Absolute maximum loading for MZ-140Q per zone is shown in the table below. Best practice states a roughly 10% de-rating margin should be applied to these figures to allow for cable loses etc.

Max Loading Per Zone								
Mode	4 OHM	8 OHM	HiZ 70V	HiZ 100V				
Zones	4	4	4	4				
Max Power Per Zone	95W	140W *	140W	120W				
Minimum Impedance	4 OHMS	8 OHMS	8 OHMS	8 OHMS				
SPEAKER MODE	TNi-W4	TNi-W6	TNi-W8	TNi-C4	TNi-C6	TNi-C8	TNi-W8PRO	TNi-W12PRO
Lo-Z	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Max QTY Per Zone	2	2	2	2	2	2	2	2
100V Power Max	30 W	40 W	40 W	30 W	40 W	40 W	-	-
Max QTY Per Zone	4	3	3	4	3	3	-	-
Total Impedance	83	83	83	83	83	83	-	-
Total Power	120	120	120	120	120	120	-	-
100V Power Mid 1	15 W	20 W	20 W	15 W	20 W	20 W	-	-
Max QTY Per Zone	8	6	6	8	6	6	-	-
Total Impedance	83	83	83	83	83	83	-	-
Total Power	120	120	120	120	120	120	-	-
100V Power Mid 2	6 W	10 W	10 W	-	-	-	-	-
Max QTY Per Zone	20	12	12	-	-	-	-	-
Total Impedance	83	83	83	-	-	-	-	-
Total Power	120	120	120	-	-	-	-	-
100V Power Low	3 W	5 W	5 W	6 W	10 W	10 W	-	-
Max QTY Per Zone	40	24	24	20	12	12	-	-
Total Impedance	83	83	83	83	83	83	-	-
Total Power	120	120	120	120	120	120	-	-
70V Power Max	15 W	20 W	20 W	15 W	20 W	20 W	-	-
Max QTY Per Zone	9	7	7	9	7	7	-	-
Total Impedance	36	35	35	36	35	35	-	-
Total Power	135	140	140	135	140	140	-	-
70V Power Mid 1	7.5 W	10 W	10 W	7.5 W	10 W	10 W	-	-
Max QTY Per Zone	17	13	13	18	14	14	-	-
Total Impedance	38	38	38	36	35	35	-	-
Total Power	127.5	130	130	135	140	140	-	-
70V Power Mid 2	3 W	5 W	5 W	-	-	-	-	-
Max QTY Per Zone	46	28	28	-	-	-	-	-
Total Impedance	36	35	35	-	-	-	-	-
Total Power	138	140	140	-	-	-	-	-
70V Power Low	1.5 W	2.5 W	2.5 W	3 W	5 W	5 W	-	-
Max QTY Per Zone	92	56	56	46	28	28	-	-
Total Impedance	36	35	35	36	35	35	-	-
Total Power	138	140	140	138	140	140	-	-

* 130W AT 100-120V-- MAINS INPUT VOLTAGE



MZ-280Q MAXIMUM LOADING

Absolute maximum loading for MZ-280Q per zone is shown in the table below. Best practice states a roughly 10% de-rating margin should be applied to these figures to allow for cable loses etc.

Max Loading Per Zone								
Mode	4 OHM	8 OHM	HiZ 70V	HiZ 100V				
Zones	4	4	4	4				
Max Power Per Zone	280W *	245W	250W	240W				
Minimum Impedance	4 OHMS	8 OHMS	8 OHMS	8 OHMS				
SPEAKER MODE	TNi-W4	TNi-W6	TNi-W8	TNi-C4	TNi-C6	TNi-C8	TNi-W8PRO	TNi-W12PRO
Lo-Z	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms	8 Ohms
Max QTY Per Zone	2	2	2	2	2	2	2	2
100V Power Max	30 W	40 W	40 W	30 W	40 W	40 W	-	-
Max QTY Per Zone	8	6	6	8	6	6	-	-
Total Impedance	42	42	42	42	42	42	-	-
Total Power	240	240	240	240	240	240	-	-
100V Power Mid 1	15 W	20 W	20 W	15 W	20 W	20 W	-	-
Max QTY Per Zone	16	12	12	16	12	12	-	-
Total Impedance	42	42	42	42	42	42	-	-
Total Power	240	240	240	240	240	240	-	-
100V Power Mid 2	6 W	10 W	10 W	-	-	-	-	-
Max QTY Per Zone	40	24	24	-	-	-	-	-
Total Impedance	42	42	42	-	-	-	-	-
Total Power	240	240	240	-	-	-	-	-
100V Power Low	3 W	5 W	5 W	6 W	10 W	10 W	-	-
Max QTY Per Zone	80	48	48	40	24	24	-	-
Total Impedance	42	42	42	42	42	42	-	-
Total Power	240	240	240	240	240	240	-	-
70V Power Max	15 W	20 W	20 W	15 W	20 W	20 W	-	-
Max QTY Per Zone	16	12	12	16	12	12	-	-
Total Impedance	20	20	20	20	20	20	-	-
Total Power	240	240	240	240	240	240	-	-
70V Power Mid 1	7.5 W	10 W	10 W	7.5 W	10 W	10 W	-	-
Max QTY Per Zone	32	24	24	33	24	24	-	-
Total Impedance	20	20	20	20	20	20	-	-
Total Power	240	240	240	247.5	240	240	-	-
70V Power Mid 2	3 W	5 W	5 W	-	-	-	-	-
Max QTY Per Zone	80	50	50	-	-	-	-	-
Total Impedance	20	20	20	-	-	-	-	-
Total Power	240	250	250	-	-	-	-	-
70V Power Low	1.5 W	2.5 W	2.5 W	3 W	5 W	5 W	-	-
Max QTY Per Zone	166	100	100	83	50	50	-	-
Total Impedance	20	20	20	20	20	20	-	-
Total Power	249	250	250	249	250	250	-	-

* 250W AT 100-120V-- MAINS INPUT VOLTAGE



CALCULATING MAXIMUM LOADING

For Lo-Z modes (4 or 8 ohm) you should never load the amplifier below its rated minimum load impedance per zone. For example, in 4 ohm mode you may connect either one 4 ohm loudspeaker, or two 8 ohm loudspeakers connected in parallel

For Hi-Z modes (70V or 100V) you should never load the amplifier greater than its rated maximum power per zone. For example, MZ-280Q is 240W in 100V mode so you may connect eleven TNi-C8 loudspeakers running in 100V/20W mode (20W * 11 = 220W) Depending on the scenario, a 10% derating may be required

