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MATRIX DEDICATED CIRCUIT/ELECTRICAL REQUIREMENT INFO

All Matrix treadmill units require the use of a 20 amp “dedicated circuit”, with a non-looped (isolated) neutral/ground, for the power requirement. Quite simply this means that each outlet you plug a treadmill into should not have anything else running on that same circuit. The easiest way to verify this is to locate the main circuit breaker box, and turn off the breaker(s) one at a time. Once a breaker has been turned off, the only thing that should not have power to it is the treadmill itself. No lamps, vending machines, fans, sound systems, or any other item should lose power when you perform this test. One treadmill = one circuit breaker.

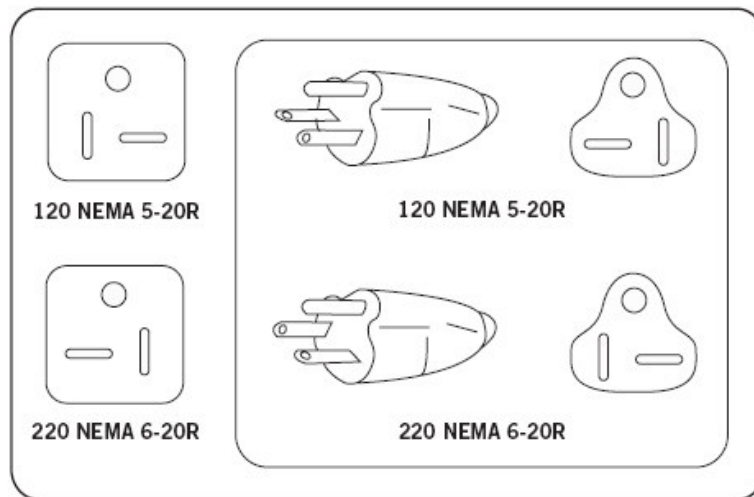
Non-looped (isolated) neutral/grounding means that each circuit must have an individual neutral/ground connection coming from it, and terminating at an approved earth ground. You cannot “jumper” a single neutral/ground from one circuit to the next.

In addition to the dedicated circuit requirement, the proper gauge wire must be used from the circuit breaker box, to each outlet that will have a treadmill running off of it. If the distance from the circuit breaker box, to each outlet, is 100 ft or less, then 12 gauge wire may be used. For any distance greater than 100 ft from the circuit breaker box to the outlet, 10 gauge wire must be used.



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See diagram below for the proper outlet required to plug each treadmill into (all current production USA machines require the 120vac NEMA 5-20R).



For installations that have the optional entertainment system for each unit, additional requirements are as follows:

An RG6 coaxial outlet will be needed for each unit. Outlet placement should be as close to the front end of the machine as possible (this will minimize the length of coaxial cable needed to connect to the machine).

Each Matrix television has a power pack, which needs a 110vac power supply to run (standard wall outlet). Up to ten (10) Matrix TV's can be run from a single 15 amp circuit.

If you have any questions, or are unsure regarding any of these definitions and requirements, please contact Matrix Fitness Systems Corp., and/or consult with a qualified electrician.