



Multi-Room

Winner

'Air Movement Product of the Year'



MATRIX

ultimate fan coil system

Multi-Room

Short on Space ?

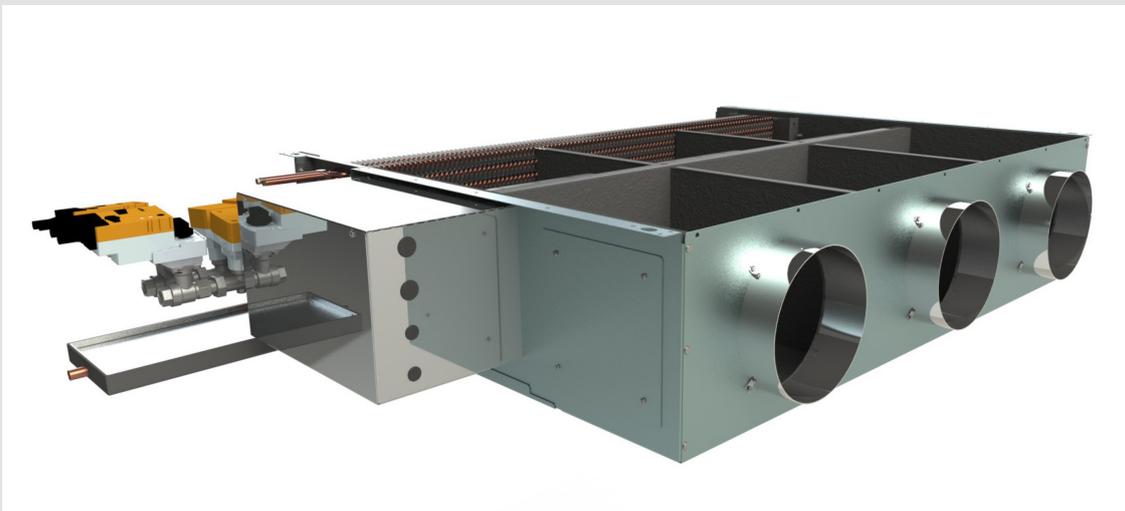
The Ultimate Residential Solution

In a residential environment, fan coil solutions can deliver high cooling outputs and they provide a level of air circulation while remaining acceptably quiet. However, the multiple units most residences need can often be difficult to position, particularly where space is limited and when the aesthetics of the apartment have to take a high priority.

Ability's Multi-Room fan coil solves all these problems because it is able to condition up to four individual spaces with a single unit and a clever controlling strategy.

Ranges Available

Multi-Room is just one application of our flexible Matrix Fan Coil Ranges. These units are available depths of 270, 235 and 190mm



Quiet and 'Eco-Friendly'

Ability units have always been top performers in terms of acoustics and these Multi-Room units are no exception. VAV (variable air volume) strategies mean that the fan coils are only ever operating at design speed when the unit is trying to achieve the full design load. As the full design load is generally only required at some point during the day, the fan coil will only be at design speed at that time also. At night and using the VAV strategy, the fan coil will be operating at a far lower and far quieter speed.

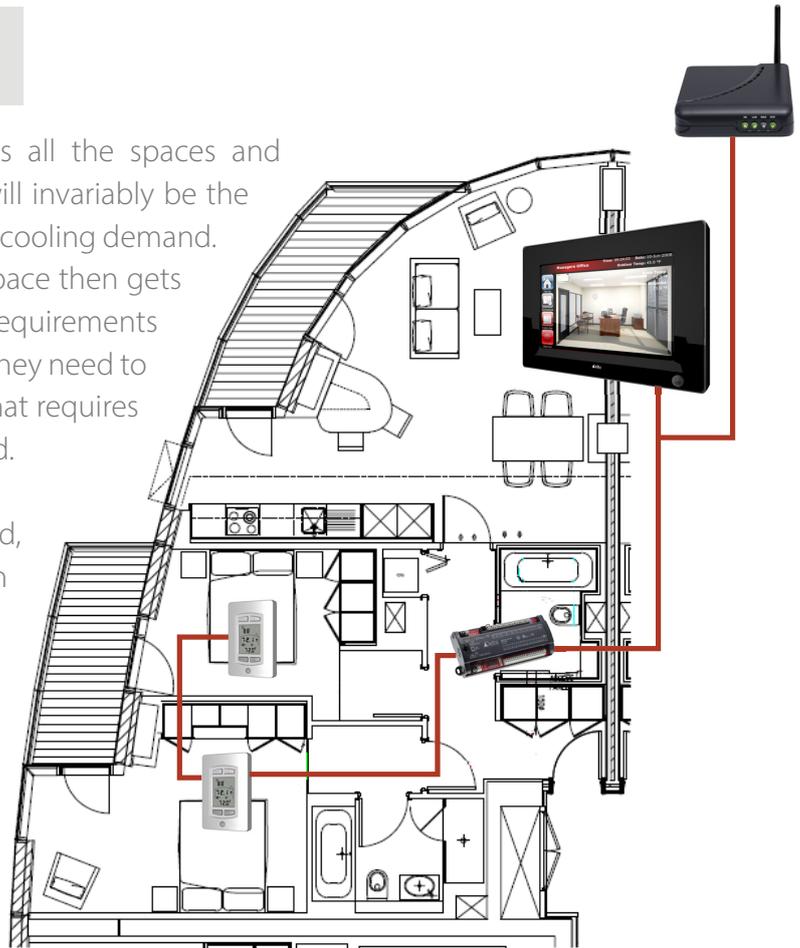
Lower speeds not only mean low noise levels, they mean lower energy bills. A 70% set back fan speed saves approximately 50% of the electrical consumption of the fan motors.

How Does Multi-Room Work ?

The Multi-Room unit controller interrogates all the spaces and assigns a priority space. This priority space will invariably be the room that is furthest from it's set-point with a cooling demand. With the unit in cooling mode, the priority space then gets full design air volume with other cooling requirements getting proportionately only the air volume they need to satisfy their lesser requirements. Any space that requires heating at the same time gets no air delivered.

Once the cooling demands have been satisfied, if there is still a need for a little heating then the process temporarily reverses.

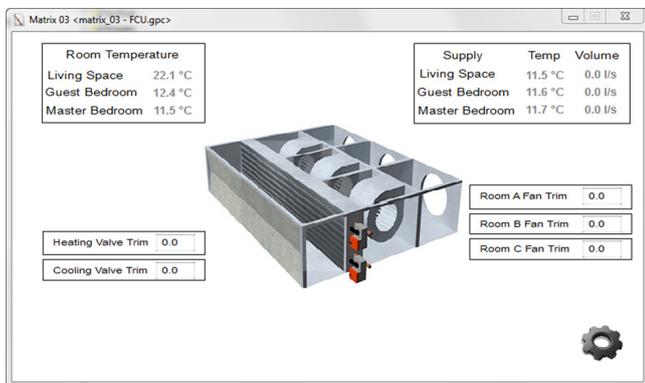
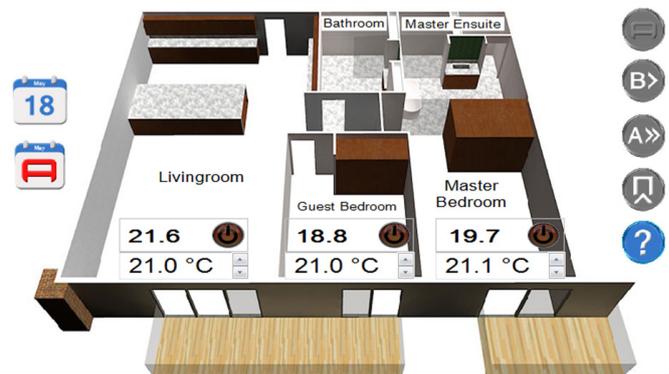
With these initial loads are dealt with, the Multi-Room units settles into a subtle blending of air flows to continue to maintain the individual space temperature requirements.



Scheduling Options

The most popular method of scheduling Multi-Room is our full colour 7" touch screen. The screen shots below give a good idea of the capabilities of this unit. If required, it is also able to act as a web server allowing remote access from any where in the world!

At the other end of the scale, a Multi-Room unit can alternatively be switched on and off using a simple interposing relay, i.e. a central heating type programmer.



Offices Too!

Multi-Room fan coils work just as well in office situations. For further details please call the office.

Digital Room Sensors

Digital room sensors allow set point adjustment from within each space. They can also provide useful user information such as temperature, CO² level etc.





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