An operator system is a closed subspace of some $B(H)$, where $B(H)$ is a space of bounded linear operators on a Hilbert Space $H$, such that the operator system is closed under the adjoint operation and contains the identity operator $I$. In the complex case it was then shown by C. Webster and S. Winkler that for operator systems with complex-valued entries, that any operator system is completely order isomorphic to a space of continuous matrix affine functions on a compact matrix convex set. A natural question then arises of whether this property will hold for operator systems with real number entries. We give concrete representations of real and complex two-dimensional operator systems in $M_2$, and elaborate on the relationship between these operator systems and two-dimensional spaces of continuous matrix affine functions on a compact matrix convex set. (Received September 15, 2014)