In this talk we will study the group of units $R^*$ of an order $R$ in a non-split quaternion algebra $\left( \frac{-1, -1}{K} \right)$ with coefficients in a number field $K$. First we will explain how to study this group, in general, through the action of its elements both on the three dimensional hyperbolic space $H^3$ and on the quadratic module

$$(K^3, q) = \{ K^3 = Ki \oplus Kj \oplus Kk, q(ai + bj + ck) = a^2 + b^2 + c^2. \}$$

Next we will look at the case of imaginary quadratic fields, concentrating on the case $K = \mathbb{Q}(\sqrt{-7})$. This topic has also potential interest for wireless multiantenna communications in terms of space-time code construction.