$$\mathbf{Mod}^{dg}_{(A,d)} \xrightleftharpoons[\substack{-\otimes_A B \\ \mathcal{HOM}_B(B,-)}]{\substack{-\otimes_B B_A \\ \mathcal{HOM}_A(B,-) \\ \| }} \mathbf{Mod}^{dg}_{(B,d)}$$