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ABSTRACT. Let  $G$  be a locally compact abelian group and  $w$  be a weight function on  $G$ . In this paper, we show that the space  $A_{p,w}(G)$  is a Banach module over the Figà-Talamanca Herz algebra  $A_p(G)$  and study the multiplier space from  $A_p(G)$  to  $A_{p,w}(G)$ .