

## Application Note for FTX300 Connections

FTX300 H-bridge amplifier is used to drive the TEC module(s) that use DC voltage from 7V to 15V. The maximum current rating is 12A. The total power handling should not exceed 180 watt. If the TEC module(s) you are using is within these criteria, then the connections are explained here:

- (A) Two-pin Black connector on the left: This is the DC power source requirement for the TE modules. Users need to know what voltage they're planning to use on the TE module(s).
- (B) Four-pin White connector on the left: The 4-signal pins should connect to the TE temperature controller (ex: FTC100 or FTC200). And make sure the pin definition is matched. These four signal lines are TTL logic level compatible.
- (C) Ignore Two-pin White connector on the left.
- (D) Two-pin Black Connector on the right: connect them to TE module directly

**Usage example:** If you want to supply 9V dc to your TE module(s), then you need a PSU that can supply 9V and connect the power from PSU to (A) connections (and make sure the polarity is matching).

