

ELAD Application Notes AN-007

Behavior of PTT-OUT and AUDIO-OUT of the FDM-DUO during transmission

Contents

Introduction.....	2
1 CW, Mute OFF, no Delay	3
2 CW, Mute OFF, with Delay	3
3 CW, Mute ON, no Delay	4
4 CW, Mute ON, with Delay	4
5 SSB, Mute OFF, no Delay	5
6 SSB, Mute OFF, with Delay	5
7 SSB, Mute ON, no Delay	6
8 SSB, Mute ON, with Delay	6

Introduction

This application note shows the behavior of the PTT output and the audio outputs during transmission, in function of PTT/CW delay settings and mute settings.

Reminder about the PTT output and the audio outputs of the FDM-DUO :

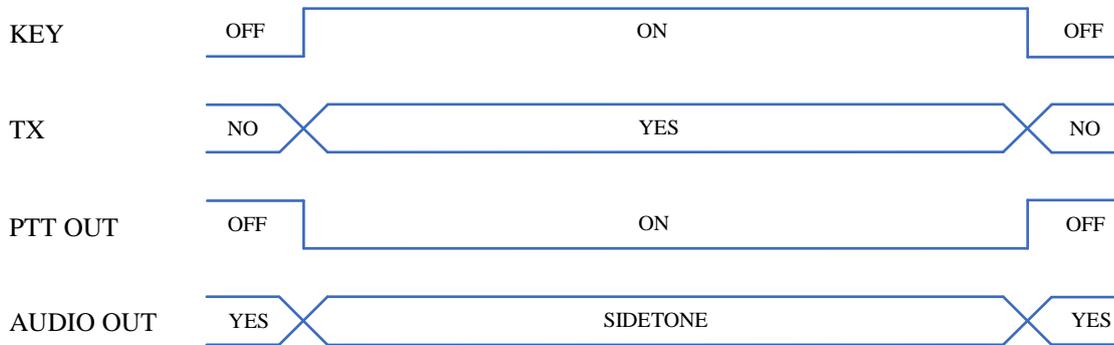
- the PTT output is on the rear panel,
- the audio outputs are four in total :
 - o main audio output on internal speaker,
 - o main audio output on the front panel (audio jack),
 - o auxiliary audio output on the front panel (audio jack),
 - o auxiliary audio output on the rear panel (TX USB connector).

This document presents the behavior of four “signals” :

- the “input source” : **KEY** when using CW, **PTT MIC** when using SSB, AM and FM NARROW,
- the “transmission/no transmission time” : **TX**,
- the “PTT-OUT jack output” : **PTT OUT**,
- the “audio outputs state” : **AUDIO OUT**.

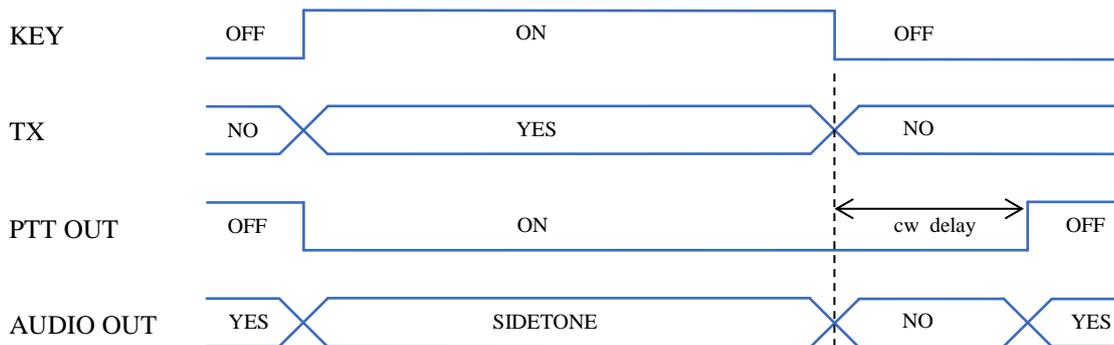
1 CW, Mute OFF, no Delay

MODE		CW
MENU 8	CW MUTE	OFF
MENU 38	CW DELAY	0ms



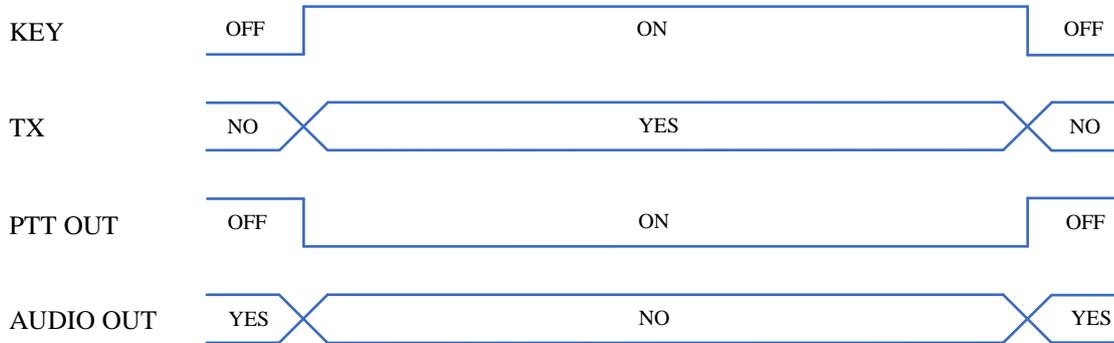
2 CW, Mute OFF, with Delay

MODE		CW
MENU 8	CW MUTE	OFF
MENU 38	CW DELAY	1000ms



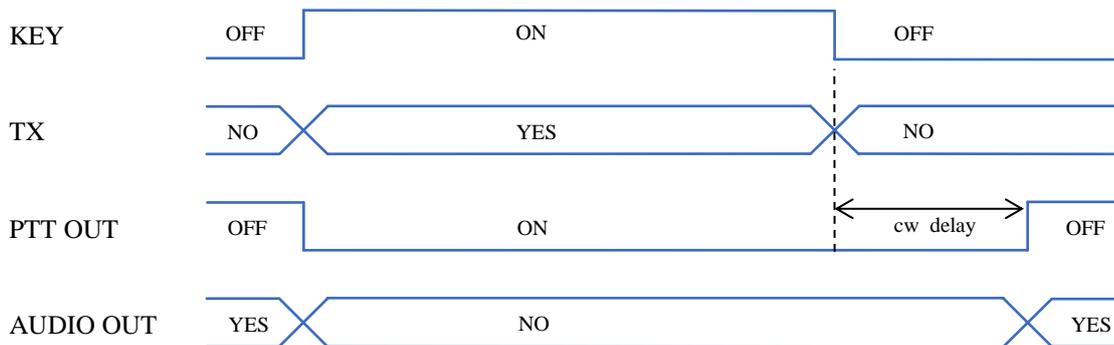
3 CW, Mute ON, no Delay

MODE		CW
MENU 8	CW MUTE	ON
MENU 38	CW DELAY	0ms



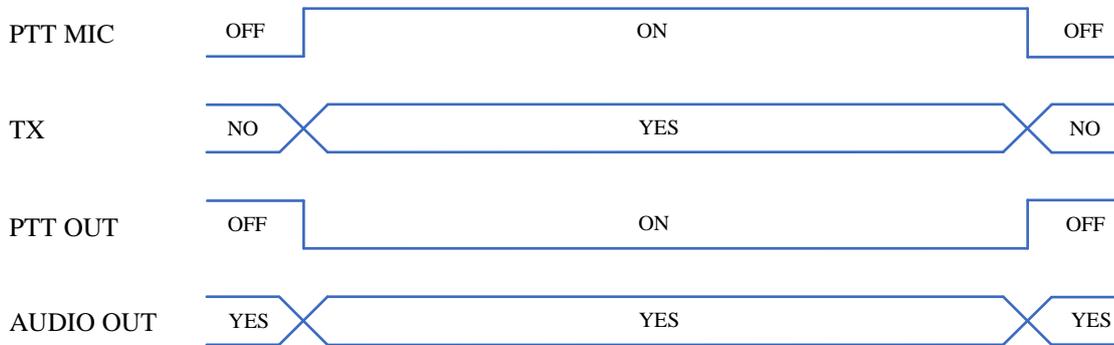
4 CW, Mute ON, with Delay

MODE		CW
MENU 8	CW MUTE	ON
MENU 38	CW DELAY	1000ms



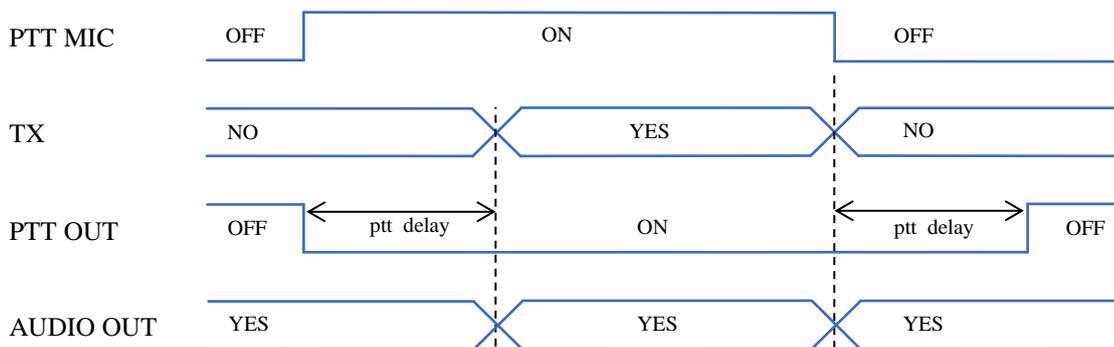
5 SSB, Mute OFF, no Delay

MODE	SSB, AM, FM NARROW	
MENU 9	SSB MUTE	OFF
MENU 57	PTT DELAY	0ms



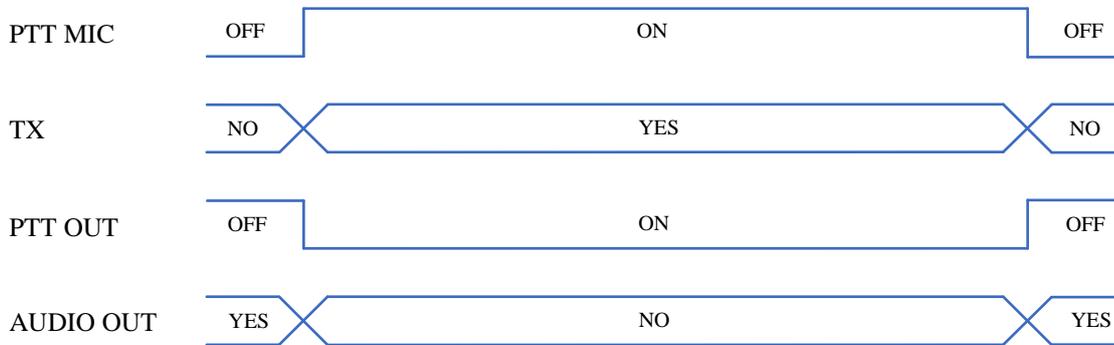
6 SSB, Mute OFF, with Delay

MODE	SSB, AM, FM NARROW	
MENU 9	SSB MUTE	OFF
MENU 57	PTT DELAY	1000ms



7 SSB, Mute ON, no Delay

MODE		SSB, AM, FM NARROW
MENU 9	SSB MUTE	ON
MENU 57	PTT DELAY	0ms



8 SSB, Mute ON, with Delay

MODE		SSB, AM, FM NARROW
MENU 9	SSB MUTE	ON
MENU 57	PTT DELAY	1000ms

