

ANYWAVE COMMUNICATION TECHNOLOGIES

# Quick Start Guide

---

PSIP&TSID Modification for ACT-5X  
exciter/translator

2015/3/31



## 1 Overview

Anywave ACT-5X exciter/translator provide function to modify the PSIP (in specific, TVCT table, the contents can be modified are short\_name, major\_channel\_number and minor\_channel\_number) and TSID information of the input stream. It supports modification on the Stream from either ASI input or Tuner input (if Tuner module is installed).

## 2 Modification from Front Panel

First make sure SYSTEM-> CTL is set to LCA

Set SYSTEM-> INPUT to TS if you want to use ASI input

Set SYSTEM->INPUT to TUNER if you want to use Tuner input

### 2.1 PSIP Key

If PSIP option is purchased, contact the manufacturer for a PSIP key. Each exciter should have its own unique key to make the PSIP function work. Without the PSIP key, the PSIP editing function remains DISABLE.

Go to Advanced Menu (press LEFT and RIGHT buttons to enter the Setting Interface, then press UP and DOWN buttons to enter the Advanced Menu) -> SN -> PSIP\_KEY. Enter the PSIP key manually if it is all zero. Press OK button when it is completed. Now the PSIP function can be accessed.

### 2.2 TSID&PSIP modification menu

New menu TSID&PSIP is created for TSID&PSIP modification



There are 3 sub menus under TSID&PSIP

1. CTRL: set to ENABLE or DISABLE or CLEAR commands for the TSID&PSIP modification
2. TSID: to modify TSID
3. PSIP: to modify the PSIP information including Short Name, Major Number and Minor Number



### 2.3 Enable TSID&PSIP modification

Enter CTRL sub menu, scroll up or scroll down to ENABLE by pressing "UP" or "DOWN" button, and then press "OK" button.



### 2.4 Modify TSID

When the ASI or the Turner input is connected and it is locked, the unit will automatically detect the TSID of the input stream and display the TSID on the screen.

Enter TSID sub menu, use "LEFT" or "RIGHT" to move the cursor to the desired digit position, then use "UP" or "DOWN" to select the number then press "OK" to confirm.

The input range for TSID is 0~65535.



### 2.5 Modify PSIP

When the ASI or the Turner input is connected and it is locked, the unit will automatically detect the PSIP information and display the PSIP information on the screen.

Enter PSIP sub menu, use “LEFT” or “RIGHT” button to move the cursor to Channel, and use “UP” or “DOWN” button to select a channel (program) in the stream (if there are >1 channels in the Stream).

Channel here refers to the program number and is not necessary to start with 1 and in continuous number. The Channel number is read-only.

User can modify short\_name(Sht\_Name), Maj\_Num(major\_channel\_number), Min\_Num(minor\_channel\_number).

Use “LEFT” or “RIGHT” to move the cursor to the desired position, then use “UP” or “DOWN” to set the value then press “ENTER” to confirm.

The length for Sht\_Name is 7 characters.

The input range for Maj\_Num is 0~99

The input range for Min\_Num is 0~999



### 3 Modification from Web Control Interface

If a user wants to modify TSID/PSIP information from the webpage, first make sure the PSIP key is already entered via the front panel interface. And the exciter is in REMOTE mode (SYSTEM-> CTL-> set to RMT).

Login to the control web, there is a new section named TSID&PSIP.

TSID and PSIP information will be displayed if there is input stream locked.

- 1) To enable TISD&PSIP modification, first select CTRL to ENABLE and click submit.
- 2) “submit” only apply the modified data on the current line, so change the TSID and PSIP information one by one and click submit you make change to the current line.

NOTE:

## TSID&PSIP

CTRL	
ENABLE ▾	submit

TSId	
2099	submit

Channel	Sht_Name	Maj_Num	Min_Num	
1	My-LVTV	22	1	submit
2	FSTRELL	22	2	submit

The input range for TSID is 0~65535.

The length for Sht\_Name is 7 characters.

The input range for Maj\_Num is 0~99

The input range for Min\_Num is 0~999

## 4 Import Notice

1. The modification of TSID&PSIP can only be done when there are input stream locked (for either ASI in or Tuner in)
2. When the input stream status changed from locked to unlocked, system will reset TSID&PSIP options and CTRL will be reset to DISABLE.