

Trigger

Within Titan, Trigger is the general concept of having an external signal firing a specific action in Titan. This is rather well documented in the Titan Usermanual.

1. connect the trigger source
2. Enter System mode and select [Triggers].
3. Add a new mapping using the + button at the bottom of the left hand column, and give it a name.
4. Add a trigger to the mapping using the + button in the right hand column or softkey [Add trigger]
5. Set Trigger Type and - if Trigger Type=Item - the trigger action
6. Press a button, move a fader - whichever action you want to be triggered.
7. Click [OK]
8. Select the Trigger Type (this time this term refers to the source), and either enter the parameters manually or use the learn function: make your trigger source fire the signal which is supposed to trigger the action - Titan should recognize the signal and automatically set the correct values.
9. Click [Add]. The trigger you have just defined is added to the list on the right.

Trigger Sources

In general, Titan can handle these trigger sources:

- DMX - by using one of the DMX outlets as input, with a male-male gender changer
- GPIO - simple contacts
- MIDI - 5pin MIDI input or (from Titan v12 on) USB-MIDI
- Streaming ACN, or sACN - like DMX, over network
- Audio - with appropriate hardware the audio signal is analysed into 7 frequency bands with each can be used to trigger an action

Based on the very hardware only a limited subset of trigger methods is possible:

| Console | Audio | DMX | GPIO | MIDI | USB-MIDI (Titan v12 and up) | sACN | Remarks |
|---|-------|-----|------|------|-----------------------------------|------|--|
| Titan One | | x | | | | x | If used as DMX input, a separate output device is necessary, e.g. an Artnet node |
| T1 | | x | | | | x | If used as DMX input, a separate output device is necessary, e.g. an Artnet node |
| T2 | x | | | | x | x | Can also be used as audio input for other Titan consoles (not Titan One/T1). |
| Tiger Touch (non-pro) Pearl Expert (non-pro) | | x | | x | | x | |

| Console | Audio | DMX | GPIO | MIDI | USB-MIDI (Titan v12 and up) | sACN | Remarks |
|-------------------------------------|-------|-----|------------------------|------|-----------------------------------|------|--|
| Titan Mobile | | x | | x | x | x | Audio trigger available with T2 from Titan v12 |
| Quartz | x | x | | x | x | x | |
| Tiger Touch Pro Pearl Expert Pro | | x | | x | x | x | Audio trigger available with T2 from Titan v12 |
| Tiger Touch II | | x | x (1 jack input) | x | x | x | Audio trigger available with T2 from Titan v12 |
| Arena | x | x | x (1 jack input) | x | x | x | |
| Sapphire Touch | | x | | x | x | x | Audio trigger available with T2 from Titan v12 |

Trigger Mappings

Trigger mapping can be regarded as collections of triggers. You can define a number of mappings, and you can enable/disable each mapping as needed. (See [Trigger - Toggle Trigger Mappings v10/v11](#) for an example of how to do this by macro). There are some mappings provided by default which cannot be deleted.

Trigger Type

Can be either Hardware (default) or Item.

- Hardware refers to the very control element, i.e. fader, button, hardware key - regardless of what is programmed on it. This also takes the respective key profile into account which may lead to strange results. I.e. when triggering a playback button (with the default key profile 'Latch') this results in toggling the playback On/Off as the trigger signal changes
- Item refers to what is programmed on that control, i.e. cue, cuelist, chaser etc. Subsequently the action which needs to be triggered needs to be defined as well:
 - Fire At Level
 - Re-Fire At Level
 - Flash
 - Go (only available for Cuelists)
 - Stop (only available for Cuelists)
 - Swop
 - Connect (only available for Cuelists)
 - Review Live Cue (only available for Cuelists)
 - Cut Next Cue To Live (only available for Cuelists)
 - Snap Back (only available for Cuelists)
 - Go Back (only available for Cuelists)
 - Next Cue - (only available for Cuelists)
 - Next Cue + (only available for Cuelists)
 - Preload
 - Latch

- Set Level

From:

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Last update: **2020/01/19 16:46**

