for Windows 8/10/Windows RT™
Device Settings
by Touch Panel Control

The following is a guide to configuring Settings available within TPControl for Windows 8/10/RT devices.

See also the '*TPControl for Windows, TPCloud and TPTransfer guide*', available from the Downloads section of the Touch Panel Control website.

TPControl for Windows is available for download from the Windows Store. Use the **Store** application on the Windows 8/10/RT device and search for **TPControl**. Click here for more details.


In order to review Settings for TPControl, there are various methods which may or may not be applicable for your device. Please follow the method within the How to access TPControl Device Settings section, that is most applicable for your device.

How to access TPControl Device Settings

Make sure that TPControl is running and then to access application settings on…

Windows 10;

- Select the ☰ menu option in the top-left corner of the application window.
  If the ☰ is not showing;
  for touch devices, gesture from top-of-screen down

  or

  for desktop devices, move the mouse to the top of the screen.

Then,

- Select the ⚙ Settings option and then select **Advanced**.

Window 8/8.1

- Press ⊞ + C

  or

- Gesture from right-to-left, starting from the outside-right of the device

  or

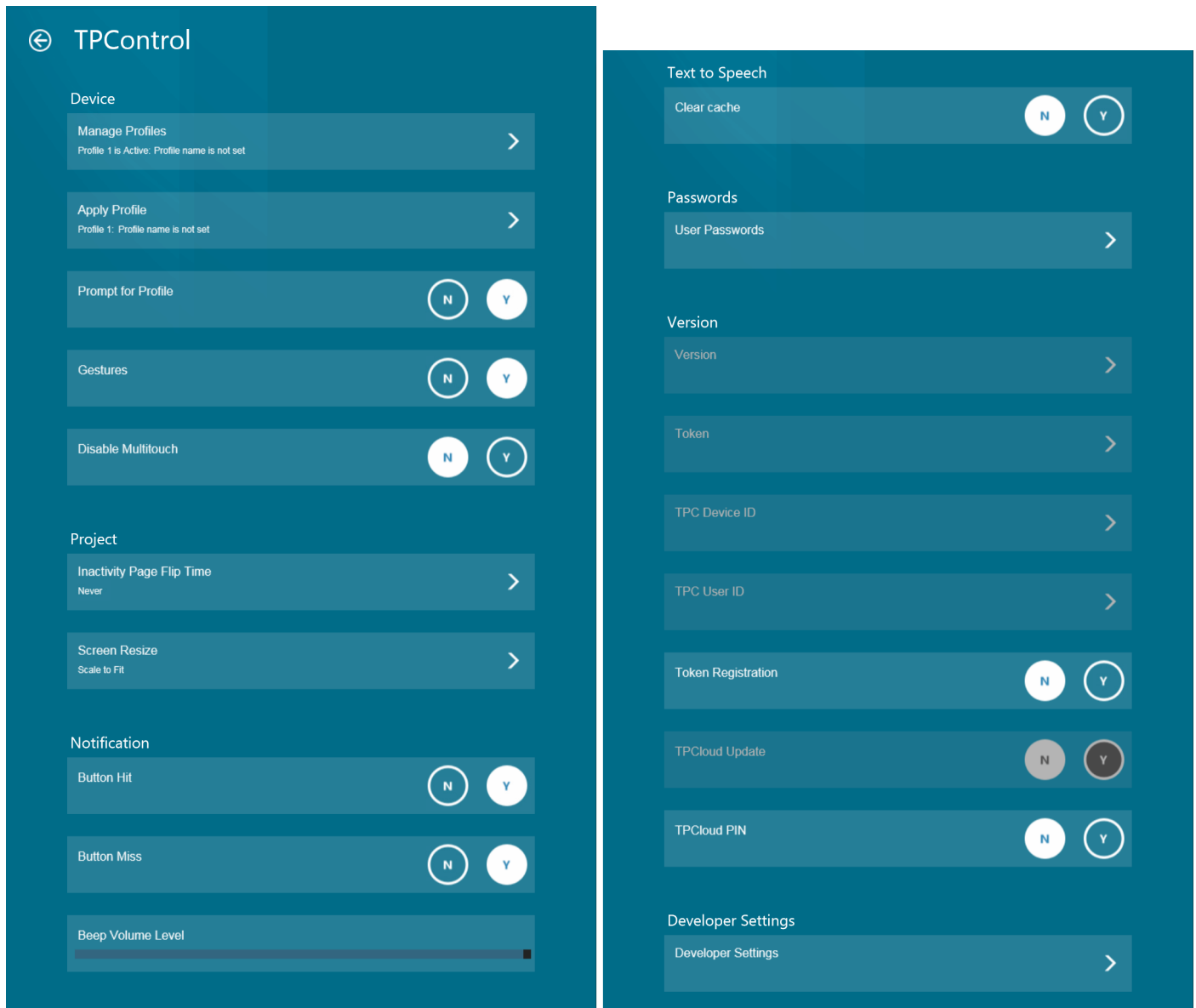- Hover the mouse cursor in the top-right corner of the desktop

Then,

- Select the ⚙ Settings option and then select **Advanced**.

Programmer note:
- The **SETUP** API command can be issued from a NetLinx master for direct access to Settings.

- The **0-Setup Port; Page-flip: Setup** channel-port/channel-code can be applied to a button in *TPDesign4 -> Buttons properties -> Programming* for direct access to Settings.

Pictured below are the typical options available within the primary Settings menu, with detailed descriptions included in the following pages.

TPControl

Device

Manage Profiles
Profile 1 is Active: Profile name is not set

Apply Profile
Profile 1: Profile name is not set

Prompt for Profile — N / Y

Gestures — N / Y

Disable Multitouch — N / Y

Project

Inactivity Page Flip Time
Never

Screen Resize
Scale to Fit

Notification

Button Hit — N / Y

Button Miss — N / Y

Beep Volume Level

Text to Speech

Clear cache — N / Y

Passwords

User Passwords

Version

Version

Token

TPC Device ID

TPC User ID

Token Registration — N / Y

TPCloud Update — N / Y

TPCloud PIN — N / Y

Developer Settings

Developer Settings

Manage Profiles

Profiles provide the ability to define independent connection-based information for the device, which can easily and quickly be recalled. API commands support manipulation of all aspects of each profile definition, essentially providing limitless combinations for profile configurations.

Selecting the 'Manage Profiles' option will present 5 profile selection options, an option to define a Default profile, and an option to always use the last selected profile.

Profile 1, 2, 3, 4 or 5

Choosing a profile to edit will present the following options:

Host

The Host field is used to enter the primary address of the NetLinx Master for this profile connection. Supports: IP address and Fully Qualified Domain Name (FQDN e.g. 'AMX.touchpanelcontrol.com').

Port

The IP Port number used by the ICSP protocol to the NetLinx Master. Default is port 1319.

Device ID

TPControl will use the *AMX Device ID* to identify itself to the NetLinx Master. AMX programming events utilise this Device ID during communication.

Device Name

This is used as an additional method of identifying TPControl with the NetLinx Master, and is also utilised within TPTransfer to assist in device identification. e.g. "TPControl-Kitchen".

ICSP Encryption

ICSP data communications can be encrypted for an additional level of security. Options provided are:

- *Enable ICSP Encryption*
  TPControl will utilise encrypted ICSP communication when enabled.
  NOTE: If a device has ICSP Encryption enabled, and the NetLinx Master is not configured for ICSP Encryption, the device will still connect to the NetLinx Master. i.e. ICSP settings are only considered relevant when the NetLinx Master is configured for ICSP Encryption.
- *Username*
  Select to enter the *username* with ICSP Encryption privileges configured on the NetLinx Master.
- *Password*
  Select to enter the *password* associated with the *username*.

NOTE: ICSP Encryption must be enabled on the NetLinx Master for encrypted ICSP communications to be supported.

Profile Name

This option provides the ability to name a profile.
Naming a profile is only necessary if you would like TPControl to present the profile as an option within the built in '*Connect using profile*' connection window. This is particularly useful when multiple connection profiles are configured. Some example names would be; Profile 1:'Room A', Profile 2:'Room B', etc.

TP4 Filename

Indicates the TP4 File Slot number and associated TP4 file name currently assigned to the profile.
Changing the TP4 File Slot assigned to the profile is provided via the '*Connect using profile*' window (refer *Prompt for Profile*) or using TPC API commands.

Set default profile

Choose from any 1 of the 5 available profiles to define the default.
The default profile determines which profile TPControl will use at startup. The default profile is used only when starting TPControl if it was not previously running in multi-tasking mode (Home screen).
If TPControl was running in multi-tasking mode, the active profile will remain operational.
NOTE: The current active profile will not be affected when setting the default profile.

Use last selected profile

This setting defines whether the last selected profile or default profile is used for reconnection when returning to TPControl.
- *Disabled*: the **default** profile will be used to reconnect
- *Enabled*: the **last selected** or previously active profile will be used to reconnect

Apply Profile

Choose from any of the 5 available profiles, to activate the chosen profile.
NOTE: The profile will be applied once you exit Settings and answer 'OK' to the 'Settings were changed' dialog.

Prompt for Profile

When enabled, TPControl will present the '*Connect using profile*' window at application launch, or whenever returning from the Home-screen or multi-tasking mode. This is independent of whether an active profile connection exists or not.
The following named or unnamed profiles will be shown:
- the current active profile
- the current default profile

- any named profile

NOTE: The **_Not Connected_** dialog will automatically present the '_Connect using profile_' window, independent of the *Prompt for Profile* setting.

Gestures

Enable or disable AMX gesture recognition. Default is enabled.

Disable Multitouch

- *Disabled:* Allows multi-touch operation.
- *Enabled:* Prevents multi-touch operation
  e.g. a release must be issued before the next press will be recognised.

Project:

Inactivity Page Flip Time

When a value is set, if a button has not been pressed within the specified time, TPControl will flip to the Inactivity page that has been defined within the properties of the AMX TPDesign4 TP4 file.

Screen Resize

Options provided here allow the TP4 project to be presented in the following modes:
- *None*
  No resizing of the original TP4 project is applied, and will be shown using the original aspect and resolution.
- *Scale-to-fit (default on first install)*
  The original TP4 file will be upsized or downsized, retaining the original aspect-ratio of the project, and may present black-filled areas beyond the project UI; left/right or top/bottom.
- *Stretch-to-fit*
  The original TP4 file will be upsized or downsized, stretching independently for the height and width of the project i.e. the aspect ratio of the design *may* be affected as a result, but the project will fill the usable display area of the device.

Button Hit

When enabled, Button Hit produces a "Beep" sound when a valid button area is pressed within the touch panel design file.

Button Miss

When enabled, Button Miss produces a "Double Beep" sound when any area outside of a valid button area is pressed within the touch panel design file.

Beep Volume Level

Sets the level at which the volume for the Beep will be announced. When running TPControl, the device Hard Volume buttons will adjust the audible level of the Beep Volume Level.

Text-to-Speech:

Clear cache

Clears the text-to-speech cache which is created during operation.

Passwords:

User passwords

There are up to 4 user passwords that can be used within a TP4 file for protected Page Flip actions, and a 5th for system protected Page Flip actions. Define each password in this section.

Version:

Version

This is the current software version of TPControl running on the device.

Token

This is the Token that the device is registered to.

TPC Device ID

The Touch Panel Control device identifier, unique to the device. The identifier is utilized with TPCloud online functionality.

Token Registration

Select this option to register TPControl with an applicable TPC User ID and Token.
NOTE*:* Internet access is required from the device to complete the operation.

TPCloud update

The ***TPCloud Update*** option provides the ability to update the TPControl ***TP4 files*** and/or ***Settings*** via the Internet for any licensed TPControl device, empowering a technician or end-user to update a device at any chosen time.

Management of TP4 file resources and Settings is provided via an account login at
tpcloud.touchpanelcontrol.com

Within TPCloud, all TPControl "Tokens*"* have configurable **TP4 files** and **Settings** options:
- Select ***Tokens***
- Select the Token, followed by the **Settings and TP4 files** tab
- Use the '***TPCloud update options: Enable/Disable***' buttons provided, to specify resources available for update.

The information stored within TPCloud will be applied to the device when the "**TPCloud update**" option is enabled on the device, and TPControl is launched.

The following illustrates configuration scenarios for the *TP4 files* and *Settings* resources;

- nothing (neither the *TP4 files* update option or *Settings* update option is enabled)

- the TP4 files update option is enabled

- the Settings update option is enabled

- both of the TP4 files and Settings update options are enabled

NOTE*:* Internet access is required from the device to complete the operation. Device registration will be automatically verified prior to any update being applied from TPCloud to the device.

Tokens | Files | Keys | touchpanelcontrol ▾

☁ All Tokens

+ Add Token | ⟳ Refresh | Sort by: Tokens ▾ | ↓ | Items per page all ▾

| | Name | Token | Invoice #/ PO Reference | User | License / Activation Date (MM/DD/YYYY) | |

☐ 🍎 ⭐ iPad3 ✎ | TPC-0-WUIN-VYLC DEVID-0003-gjafdz | | Me | Full license 05/07/2012 | ⬆ ✎ ⬆ ⚙

View Details | Notes | Settings and TP4 files | Deauthorize | Push Messages | Hide▴

| | | | | TP4 Files | | Settings | |

⚙ Copy Settings | ⚙ Paste Settings | ⚙ Reset Settings | TPCloud update options: | Disable | Enabled ● | Disable | Enabled ●

Profile Settings and TP4 files Hide▴

Assigned Profiles

1 ✓ Home ✎
1. TestFile1-Landscape.TP4

2 Villa ✎
2. TestFile2-Portrait.TP4

3 - ✎
None: defaults to last used

4 - ✎
None: defaults to last used

5 - ✎
None: defaults to last used

Profile Settings ?

Host: 192.168.1.211
Port: 1319
Device ID: 11012
Device Name: iPad3
ICSP Encryption: ☐
Username:
Password:
Use Mobile Data: ⊘ None | 📶 With WiFi | 📶 Without WiFi

TP4 File Slot: 1. TestFile1-Landscape.TP▾
Name: TestFile1-Landscape.TP4
Size: 769Kb

Uploaded by: TPC Demo
Upload date: 2013-03-21 03:10:42
Modified by: TPC Demo
Modified date: 2013-03-21 03:10:42

Set as default | Save Changes

TP4 File Slots ?

| 1 | 🗎TP4 | TestFile1-Landscape.TP4 | Clear TP4 file |
| 2 | 🗎TP4 | TestFile2-Portrait.TP4 | Clear TP4 file |

+ Add another TP4 File Slot

General Settings Hide▴

Device ?

Prompt for Profile:	☑	Dark screen startup:	☑
Keep WiFi Active:	☑	Disable Multitouch:	☐
Multitasking Timeout:	Never ▾	Back Button/Double-tap to Quit:	☐
Gestures:	☑	**Accessibility** (iOS only)	
Enable Auto-Lock:	☐	Include buttons with no text:	☐
Lock Rotation:	☐	Dock / Undock notification:	☑
		Level increment(%):	10

Project ?

Inactivity Page Flip Time: Never ▾
Screen Resize: Scale-to-fit ▾

Speech to Text ?

Auto-hide pop-up: ☐
Display Result: 1 result ▾

Text to Speech ?

Display Result: 1 result ▾
Use Offline mode: ☐
Clear cache: ☐

TPCLockOut (Android only) ?

TPCLockOut enabled: ☐
Auto-Launch TPControl: ☐
PIN Number for Setting access:

Notification ?

Button Hit: ☑
Button Miss: ☑
Beep Volume Level(%): 50
Intercom call notification: ☐

Passwords ?

Password 1: ••••
Password 2: ••••
Password 3: ••••
Password 4: ••••
Password 5: ••••

Developer Settings ?

Transfer Port: 10700
Restore All Settings: ☐

Save Changes

*Example **TPCloud update** management features: Settings and TP4 Files*

TPCloud PIN

PIN codes can be generated specific to each Token that is stored within TPCloud at
tpcloud.touchpanelcontrol.com
PIN codes are used to complete device registrations and deauthorizations.
Select the *TPCloud PIN* option, then enter the unique PIN code as provided by TPCloud. Based on the TPCloud configuration, TPControl will validate the PIN code reference, and act accordingly.

Supported PIN methods:

- **Device registration**:
  1. The PIN code will register the device with the Token assigned to the PIN code.
  2. The device will automatically perform a TPCloud update.
  i.e. the device will be issued the *TP4 file* (if enabled) and *Settings* (if enabled), as configured for the Token.

- **Device deauthorization and registration**:
  1. The PIN code, when entered into the currently registered device, will deauthorize the device allowing the associated Token to be registered to a new device.
  2. Enter the same PIN code into the new device, to complete registration.

Please refer to TPCloud for further information.

NOTE: Internet access is required from the device to complete the operation. Device registration will be automatically verified prior to any update being applied from TPCloud to the device.

Transfer Port

The port used by TPControl to communicate with TPTransfer. Default port is: 10700.

Restore All Settings

When enabled, this will restore all settings on the settings page back to defaults. The option is reset back to *off* after the changes have been applied.

TP4 file options

Operations specific to the TP4 file installed appear here.

- *None*
  Do nothing
- *Clear User Pages*
  When enabled, any design files will be removed and the original Demo Pages will be loaded back onto the device.
- *Reprocess TP4 file*
  Clears any caching, and reprocesses the installed TP4 file. This is the same process that runs whenever a file is transferred to the device.
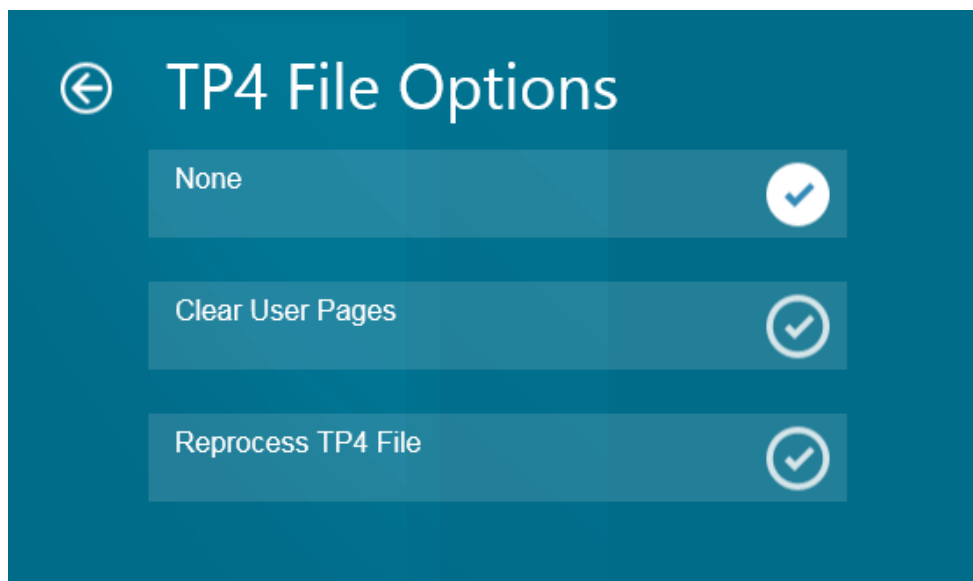
Reverse Arabic/Hebrew

Due to variances that can occur in operating system locale support and encoding for TPDesign4 TP4 files, Hebrew and Arabic content may be reversed when presented on device. To correct, turn on this option.

Not Connected

The **NOT CONNECTED** warning will automatically appear if TPControl is unable to communicate with the AMX NetLinx control system.
NOTE: *TPControl will persistently retry connecting if an active connection is not in place, using the current active profile connection settings.*

The **NOT CONNECTED** warning will automatically disappear if TPControl connects to an AMX NetLinx control system.

Pressing the *NOT CONNECTED* warning will hide the dialog only for the current TPControl session.
The *NOT CONNECTED* warning indication cannot be permanently disabled or turned off.
Its purpose is to avoid users pressing buttons in the UI with the expectation of system control, when there is no chance of that due to there being no communication with the AMX NetLinx control system.

Potential reasons why *NOT CONNECTED* can appear:
- Ensure WiFi is enabled on the device, and that it is connected to the correct IP Network. Furthermore, ensure the IP address assigned to the device is valid.
- Determine the IP address of the AMX NetLinx control system, and ensure that the *HOST* field within Settings for TPControl has been configured with the IP address of the AMX NetLinx control system e.g. 'Manage Profiles → Profile x → HOST'.
- Ensure that a unique, and correct *Device ID* has been configured within Settings for TPControl e.g. 'Manage Profiles → Profile x → Device ID'.
  All devices connecting to an AMX NetLinx control system must have unique identifiers in order to connect and operate properly. If the Device ID conflicts with another connected device, one or both devices may not connect, or may work irregularly until the conflict is resolved.
- Is ICSP Encryption enabled on the AMX NetLinx control system? If so, ensure that the connection profile is configured with the relevant ICSP Encryption credentials.

'Connect using profile' window

Within TPControl, the *Connect using profile* window provides a method to very quickly select or change between connection profiles.

NOTE: refer to the [Profile Name](#) section for details on naming connection profiles.
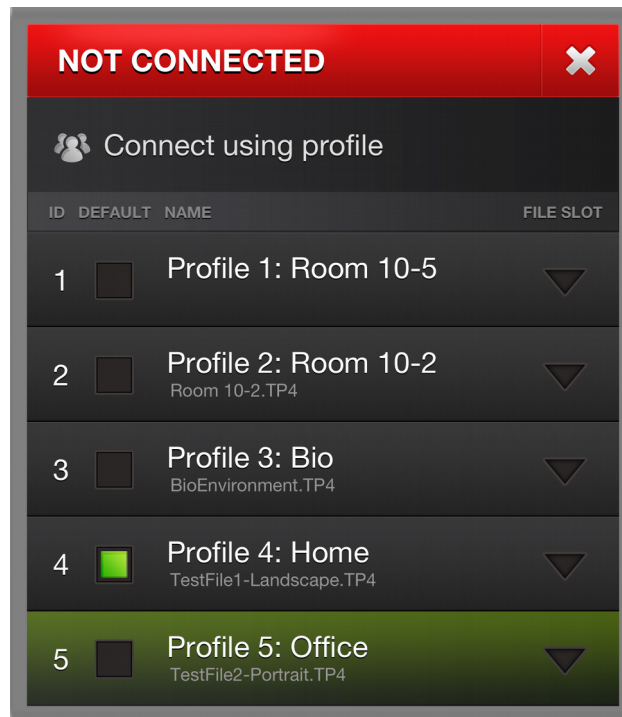
Profiles contain connection specific information that TPControl uses when communicating with an AMX NetLinx master.

For multi-TP4 file enabled versions of TPControl, the *Connect using profile* window also provides a method for defining the specific **TP4 File Slot** to use for each profile. See the *Assigning a FILE SLOT to a connection profile* section that follows for more details.

Five user-definable profiles are provided in TPControl (*see* [Manage Profiles](#) *above*). Although there are only five physical profiles provided, our API can be used to dynamically update any profile, providing limitless profile configurations, which can easily be recalled using either the *Connect using profile* window, or using buttons defined within the user interface design.

For a demonstration TP4 file on how to dynamically update profiles from the UI, please click [here](#) or copy the following URL to your browser:
http://www.touchpanelcontrol.com/guest/tpcontrol/ExampleTP4s/TPC%20API%20Profile%20examples.TP4

Connect using profile: Example

Refer to the *Connect using profile: Example* picture above. The example indicates the following:

- Profile 1 has been named *Profile 1: Room 10-5*
  - the profile has no TP4 file assigned

- Profile 2 has been named *Profile 2: Room 10-2*
  - the profile has a TP4 file named *Room 10-2.TP4* assigned

- Profile 3 has been named *Profile 3: Bio*
  - the profile has a TP4 file named *BioEnvironment.TP4* assigned

- Profile 4 has been named *Profile 4: Home*
  - the profile has a TP4 file named *TestFile1-Landscape.TP4* assigned

- Profile 5 has been named *Profile 5: Office*
  - the profile has a TP4 file named *TestFile2-Portrait.TP4* assigned

- The default profile is Profile 4

- The current active profile in Profile 5, indicated by the highlighted profile

Selecting a connection profile

To select a profile, simply select the profile *name*. TPControl will attempt to connect to the AMX NetLinx control system using the assigned profile connection settings, and load the applicable TP4 file design assigned to the profile.

Assigning a FILE SLOT to a connection profile

For multi-TP4 file enabled versions of TPControl, the *Connect using profile* window provides a method for defining the specific **TP4 File Slot** to use for each profile.
Pressing the *FILE SLOT down-arrow* icon will present all available *File Slots* currently available for the device.

An example of assigning a *TP4 File Slot* for *Profile 1* using the *Connect using profile* window follows:

Step 1:
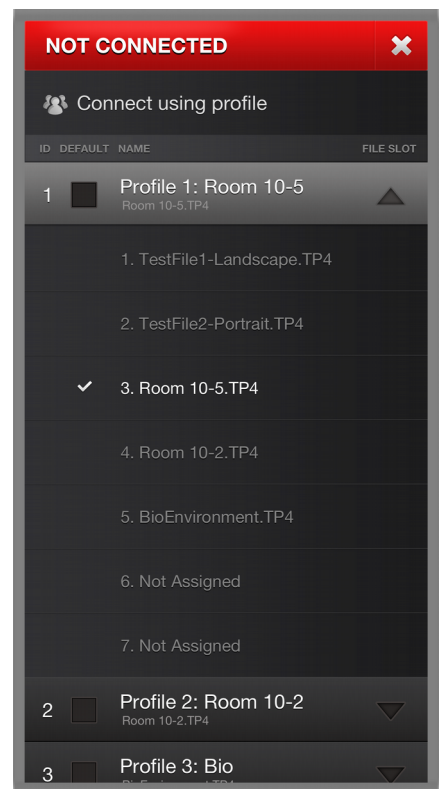Begin by pressing the FILE SLOT **down-arrow** for *Profile 1*
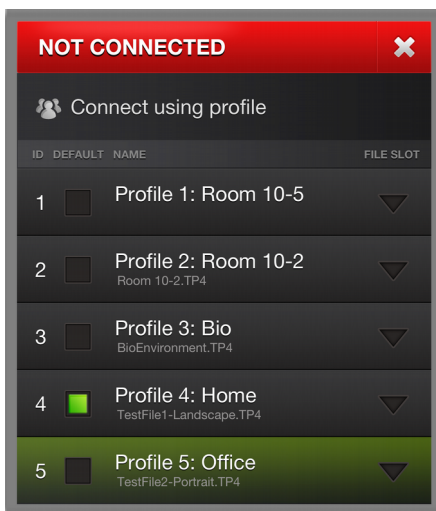
Step 2:
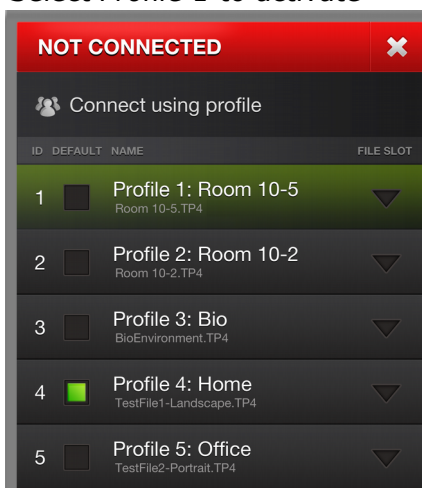Choose FILE SLOT 3 to assign **Room 10-5.TP4** to *Profile 1*
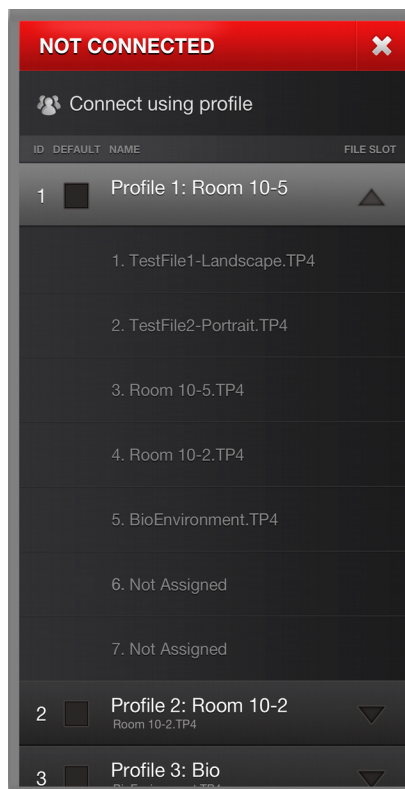
Step 3:
FILE SLOT 3 is now assigned to *Profile 1* as indicated

Step 4:
Select *Profile 1* to activate

NOTE: The device in this example has been licensed with 7 x TP4 File Slots available.

To accomplish the same result using our API, issue the command: "'*TPCCMD-1;TP4FileSlot,3;*'"
Essentially that translates to "Assign TP4 File Slot 3, to Profile 1"

For more information on API commands, refer to the "**_TPControl – API Commands supported in addition to AMX commands_**" document, available for download from our website *Downloads* section.

NOTE: As standard, any licensed device includes 2 x TP4 File Slots. However, there is no limit to the number of TP4 File Slots that can be added to the device. Refer to our website *Products* section for further details.

NOTE: When a profile is selected that has no assigned TP4 file, the last used TP4 file will be used.

NOTE: To ensure the '*Connect using profile*' window appears whenever TPControl regains application focus, irrespective of connection status, refer to the Prompt for Profile section.

Assigning a BYOD system file to a connection profile

When TPControl connects to a BYOD Licensed system;

- If the BYOD TP4/UI file on the BYOD licensed NetLinx Master has changed since the last time TPControl connected (or this is the first time connecting to the system), TPControl will retrieve the BYOD TP4/UI file and assign it to FILE SLOT 0 for the current active connection profile, and then display the BYOD TP4/UI file.

- Otherwise, TPControl will display the last FILE SLOT that was assigned to the current active profile.
  NOTE: The FILE SLOT applied to the current active profile may not be the BYOD TP4/UI file, particularly if an alternate FILE SLOT was activated by API command or as per *Error: Reference source not found*.

# Example BYOD System file shown in the Connect using profile window

The following shows an example of how a BYOD System would appear within the *Connect using profile* window, located above any existing File Slots. Illustrated by steps 1, 2, and 3, is a sequence for editing the BYOD System identifier, should you need to.
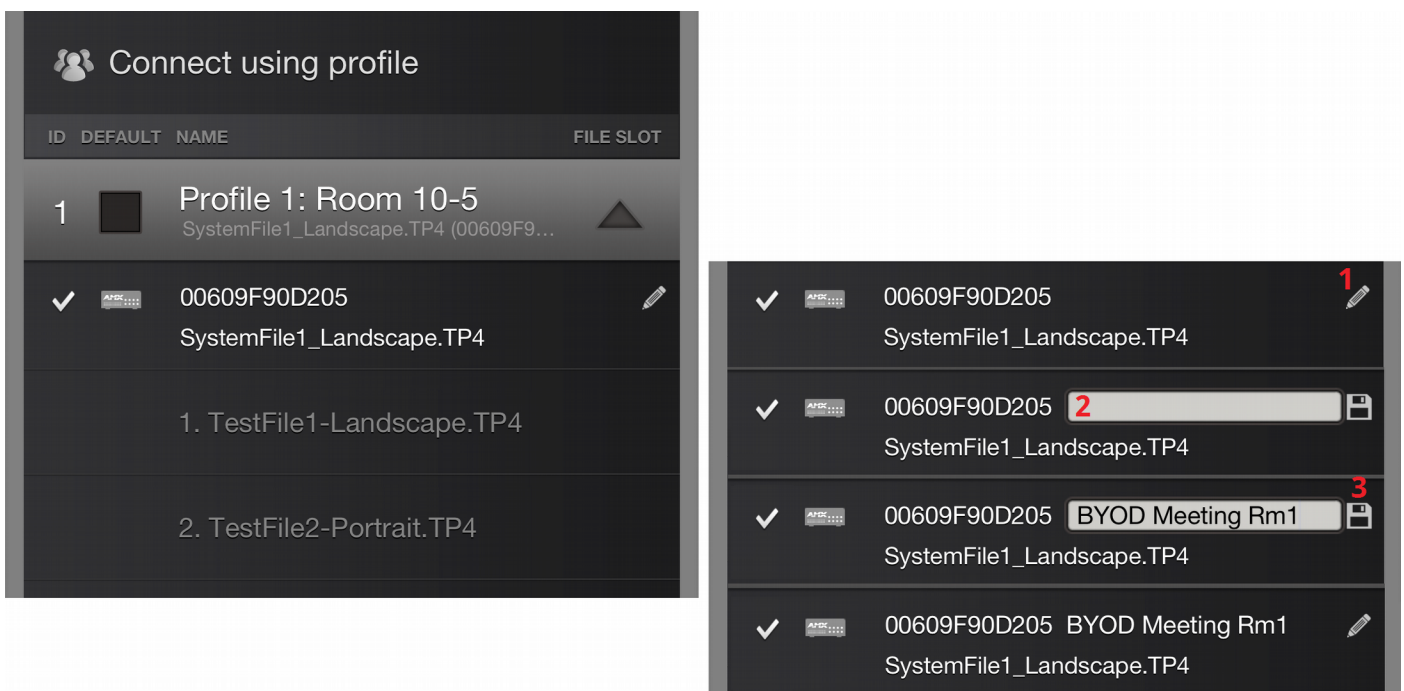
For more information about TPControl BYOD, please refer to our TPControl – BYOD How To guide.

Applying Settings

Any changes made within TPControl Settings will be applied when you return to TPControl.
If an active session was in place, you will be prompted by the following:
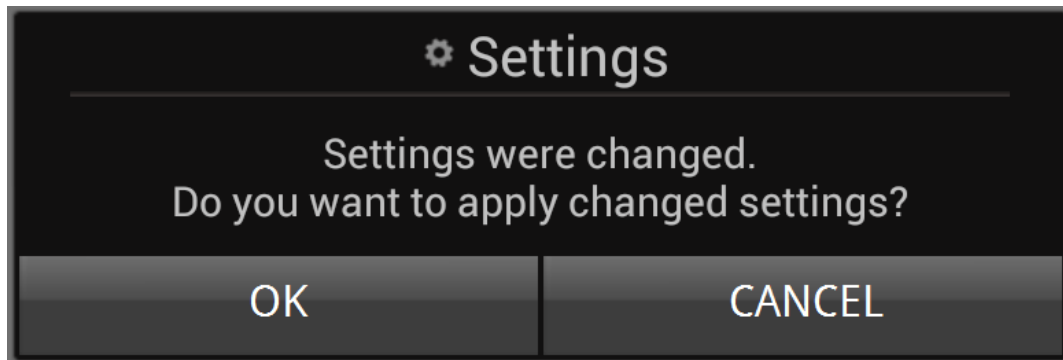
- Answering "OK" will apply the changes immediately.
- Answering "CANCEL" will not undo any changes made, but any changes will be applied the next time that TPControl is exited and run.

Problem Reporting

We aim to make your integration experience of TPControl within your AMX environment, as seamless as possible.

If you encounter any difficulties using the product or any of its features, please let us know and we will be happy to assist.

The helpdesk on our website at support.touchpanelcontrol.com operates from:

- Monday to Friday; 09:00 to 17:00 (GMT)
- Monday to Friday; 07:00 to 15:00 (AEST)

We appreciate your support,

Touch Panel Control Team.