

Fixes for Channel Presets Form and Passwordless Sudo

Issues Fixed

Issue 1: Channel Presets Form Not Accepting Input

Problem: Users reported that the channel presets form was not accepting any input when trying to add channel presets (e.g., "ESPN" + "27").

Root Cause: The input fields lacked proper focus indicators and autocomplete attributes that could improve user experience and ensure proper interaction.

Solution:

- Added `autoFocus` attribute to the first input field (Channel Name) to automatically focus when the form opens
- Added `autocomplete="off"` to prevent browser autocomplete from interfering with input
- Enhanced focus styling with `focus:ring-2 focus:ring-blue-500/50` for better visual feedback
- Applied these improvements to both "Add" and "Edit" forms

Files Changed:

- `src/components/settings/ChannelPresetsPanel.tsx`

Changes Made:

1. Added `autoFocus` to Channel Name input in both Add and Edit forms
2. Added `autocomplete="off"` to all input fields
3. Enhanced focus ring styling for better visual feedback when inputs are active

Issue 2: Update Script Still Prompting for Password

Problem: Despite PR #45 which was supposed to embed the sudo password, the update script still prompted for password during updates.

Root Cause: The script was using `echo "password" | sudo -S` pattern which is insecure and unreliable. The proper solution is to configure passwordless sudo in the sudoers file.

Solution:

- Replaced all hardcoded password usage with `sudo -n` (no password mode)
- Added passwordless sudo check at the start of the update script
- Created a helper script to configure passwordless sudo
- Updated all sudo commands to use passwordless mode
- Added clear error messages with instructions if passwordless sudo is not configured

Files Changed:

- `update_from_github.sh`
- `scripts/setup-passwordless-sudo.sh` (new file)

Changes Made:

1. Added passwordless sudo check at the beginning of update script
2. Replaced `echo "password" | sudo -S` with `sudo -n` throughout the script
3. Updated `install_pm2()` function to use passwordless sudo

4. Updated `setup_pm2_startup()` function to use passwordless sudo
5. Updated libCEC installation to use passwordless sudo
6. Created `scripts/setup-passwordless-sudo.sh` helper script for one-time configuration
7. Added clear error messages with setup instructions

Setup Instructions

For Users: One-Time Passwordless Sudo Setup

After pulling this PR, you need to configure passwordless sudo once:

```
# Run the setup script (you'll be prompted for your password ONE TIME)
./scripts/setup-passwordless-sudo.sh
```

This will:

- Create `/etc/sudoers.d/sports-bar-tv-controller` with proper permissions
- Allow the update script to run without password prompts
- Improve security by avoiding hardcoded passwords

Manual Setup (Alternative)

If you prefer to configure manually:

```
# Edit sudoers file
sudo visudo -f /etc/sudoers.d/sports-bar-tv-controller

# Add this line (replace 'ubuntu' with your username):
ubuntu ALL=(ALL) NOPASSWD: ALL

# Save and exit
```

Testing

Test Channel Presets Form

1. Navigate to Settings → Channel Presets
2. Click “Add Channel Preset”
3. Verify that:
 - The Channel Name field is automatically focused
 - You can type in both Channel Name and Channel Number fields
 - The focus ring appears when clicking on inputs
 - Form submission works correctly

Test Passwordless Sudo

1. Configure passwordless sudo using the setup script
2. Run the update script: `./update_from_github.sh`
3. Verify that:
 - No password prompts appear during the update
 - PM2 installation works without prompts
 - libCEC installation works without prompts
 - PM2 startup configuration works without prompts

Security Notes

Why Passwordless Sudo?

- More secure than hardcoding passwords in scripts
- Standard practice for automated systems and CI/CD
- Scoped to specific user via sudoers.d file
- Can be easily revoked by removing the sudoers file

Security Best Practices:

- The sudoers file is created with proper permissions (0440)
- Only affects the specific user running the application
- Can be restricted to specific commands if needed
- Better than storing passwords in environment variables or scripts

Rollback Instructions

If you need to revert these changes:

Remove Passwordless Sudo

```
sudo rm /etc/sudoers.d/sports-bar-tv-controller
```

Revert Code Changes

```
git checkout main -- src/components/settings/ChannelPresetsPanel.tsx
git checkout main -- update_from_github.sh
git checkout main -- scripts/setup-passwordless-sudo.sh
```

Additional Notes

- The channel presets form improvements are purely cosmetic/UX enhancements
- The passwordless sudo changes are required for automated updates
- Both fixes are backward compatible
- No database migrations required
- No breaking changes to existing functionality