Here's the \*\*direct solution\*\* to make MetaMask/Trust Wallet open immediately when users click "Connect" in your Telegram Mini App:

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### \*\*1. Updated Deep Links for Instant Opening\*\*

Use these \*\*device-specific\*\* links that bypass browser restrictions:

#### \*\*For MetaMask\*\*

```javascript

const METAMASK\_LINKS = {

android: "intent://io.metamask#Intent;package=io.metamask;end;",

ios: "metamask://"

};

```

#### \*\*For Trust Wallet\*\*

```javascript

const TRUSTWALLET\_LINKS = {

android: "intent://com.wallet.crypto.trustapp#Intent;package=com.wallet.crypto.trustapp;end;",

ios: "trust://"

};

```

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### \*\*2. Complete Implementation\*\*

```javascript

function connectWallet(walletType) {

// Detect device

const isAndroid = /Android/i.test(navigator.userAgent);

// Wallet-specific deep links

const links = {

metamask: isAndroid ? METAMASK\_LINKS.android : METAMASK\_LINKS.ios,

trustwallet: isAndroid ? TRUSTWALLET\_LINKS.android : TRUSTWALLET\_LINKS.ios

};

// Open wallet directly

try {

if (window.Telegram?.WebApp?.openLink) {

// Telegram Mini App

Telegram.WebApp.openLink(links[walletType]);

} else {

// Regular browser

window.location.href = links[walletType];

}

// Fallback after 2 seconds if wallet not installed

setTimeout(() => {

if (!window.ethereum) {

const storeLinks = {

metamask: isAndroid ?

"https://play.google.com/store/apps/details?id=io.metamask" :

"https://apps.apple.com/app/metamask/id1438144202",

trustwallet: isAndroid ?

"https://play.google.com/store/apps/details?id=com.wallet.crypto.trustapp" :

"https://apps.apple.com/app/trust-crypto-bitcoin-wallet/id1288339409"

};

Telegram.WebApp.showConfirm(

`${walletType} not found! Install it?`,

(confirmed) => confirmed && Telegram.WebApp.openLink(storeLinks[walletType])

);

}

}, 2000);

} catch (error) {

console.error("Wallet open failed:", error);

}

}

```

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### \*\*3. HTML Buttons\*\*

```html

<button onclick="connectWallet('metamask')">Connect MetaMask</button>

<button onclick="connectWallet('trustwallet')">Connect Trust Wallet</button>

```

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### \*\*Key Features\*\*

1. \*\*Instant App Opening\*\*

Uses direct `intent:` (Android) and `appname://` (iOS) links to bypass browsers.

2. \*\*Automatic Device Detection\*\*

Chooses correct link format based on user's OS.

3. \*\*Smart Fallback\*\*

Redirects to app store if wallet isn't installed.

4. \*\*Telegram Mini App Optimized\*\*

Uses `Telegram.WebApp.openLink()` when inside Telegram.

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### \*\*Why This Works\*\*

- \*\*Android\*\*: `intent:` links force the OS to open the app directly

- \*\*iOS\*\*: Custom URL schemes (`metamask://`, `trust://`) launch apps immediately

- \*\*Telegram\*\*: Bypasses in-app browser restrictions by using Telegram's native link opener

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### \*\*Testing Notes\*\*

1. \*\*On Android\*\*: These links work in Chrome but may show a brief "Open with..." dialog.

2. \*\*On iOS\*\*: Requires the app to have registered the URL scheme (works for MetaMask/Trust Wallet).

3. \*\*In Telegram\*\*: Will either open instantly or show app store fallback.

For \*\*BSC connectivity\*\*, combine this with your previous verification backend to check the wallet connection afterward