Troubleshooting

Common errors when developing and deploying on Neo Smart Chain, and how to fix them.

VERSION	LAST UPDATED	STATUS
0.1	November 17, 2026	Draft

1. Connection and wallet

Symptom	Likely cause	Fix
Wallet says the chain ID does not match	The RPC URL belongs to a different network than the chain ID you entered	Use the values from the network table and check eth_chainId
Wallet cannot add the network	Missing or malformed fields in wallet_addEthereumChain	Provide a hex chain ID, an HTTPS RPC URL and a currency with 18 decimals
Requests time out or return 429	You hit the public rate limit	Slow down, cache responses or use a dedicated endpoint
Transaction shows as pending forever	The fee is too low or an earlier nonce is stuck	Resend with higher fees or replace the pending transaction with the same nonce

2. Deployment

Error	Likely cause	Fix
insufficient funds for gas	The deployer has too little native currency	Fund the account from the faucet on testnet
nonce too low	A transaction with this nonce was already mined	Refresh the nonce, or reset your wallet account activity

invalid opcode or deployment reverts with no reason	Bytecode compiled for a newer EVM version than the network supports	Lower evm_version in your compiler settings and redeploy
max code size exceeded	The contract is larger than the size limit	Enable the optimizer, split into libraries or contracts, or remove unused code
intrinsic gas too low	The gas limit was set manually and is too small	Let the tool estimate gas
replacement transaction underpriced	A second transaction reused a nonce without a higher fee	Raise the fee by at least the minimum increase required

Contract size limit on this network: [contract size limit]. Supported EVM version: [EVM version].

3. Verification

Verification succeeds only when the explorer can reproduce your exact bytecode. If it fails, compare each of these with your deployment:

- Compiler version, including the patch number.
- Optimizer setting and number of runs.
- EVM version.
- Linked library addresses.
- Constructor arguments, ABI-encoded exactly as deployed.
- Imported file paths and remappings. Flatten the source if the explorer cannot resolve imports.
- The metadata hash setting. Deploy and verify with the same value.

4. Contract calls

Symptom	Likely cause	Fix
Call reverts with no message	A require without a reason, an unsupported opcode or a wrong address	Run the call in a Foundry fork test with traces, and confirm the address has code
Call returns 0x	The address has no contract on this chain	Check cast code and that you are on the right network

Signature is rejected on-chain	Wrong chain ID, contract address, nonce or deadline in the signed data	Rebuild the EIP-712 domain from the live chain
eth_getLogs returns an error	The block range is too large	Query in smaller ranges
Estimated gas is much lower than needed	The call depends on state that changes before the transaction is mined	Add a margin to the estimate and test under load

5. Still stuck

When you ask for help, include the chain ID, the transaction hash, the contract address, the compiler version and settings and the exact error text. Developer support: [developer support contact].

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