NovaKey QR Pairing – Visual Flow

QR Pairing Visual Flow

[Desktop Daemon] ➜ [QR Code] ➜ [iOS App]

The desktop daemon generates a QR code used only for pairing bootstrap.

QR Code Contents:
• Server address
• Device identifier
• Kyber768 public key (base64)

User Trust Gate:
• iOS displays host identity
• User must explicitly approve pairing

Post■Scan Cryptographic Flow:
[iOS App] ■■ ML■KEM■768 ■■■ [Daemon]
[Daemon] ■■ HKDF■SHA256 ■■■ Session Keys
[iOS App] ■ XChaCha20■Poly1305 ■ [Daemon]