

Xflight Technologies LLC
Weather Station User Guide


Version 1.0

March 2021



Xflighttech.com

SALT LAKE CITY, UT Thu Mar 11 2021 04:49:21 PM
55 mins old

7 kts  **060°** **4°C / 39°F**

METAR Status: ●

Dew: -1°C/30°F Humidity: 70%

Alt(hg): 30.00 Sea(mb): 1015.7

Sky/Weather:
Slight Snow
Few clouds at 2000 feet AGL
Broken clouds at 3000 feet AGL
Broken clouds at 4600 feet AGL

MVFR

Vis:
5 miles

85%

TAF 1 hr 31 mins ago Status: ●

Fcst: 20:00 to 21:00 ZT Vis: 6.2

Wind/Dir: 9 kts @ 330° Gusts: --

Sky/Weather:
Nearby Shower
Scattered clouds at 4000 feet AGL
Broken clouds at 8000 feet AGL

KDAB KSLC KSFB KMCO EGLL AUTO

A. Terms, Conditions and Warranty.

This product does not preclude the pilot from carrying out their own weather analysis for their intended flight from all the usual aviation weather reporting and forecasting services, including more detailed METAR and TAF sources. The pilot is fully responsible for ensuring the safety of their flight and establishing all legal and personal weather minimums.

See Appendix A for details

B. Setup:

Wifi Configuration

The WiFi SSID and password need to be specified in the text file on the USB dongle:

1. Remove the mini-USB dongle from the side of the screen
2. Insert into a computer and wait for it to connect
3. Navigate to the **Xflight** directory and open the **XF_WiFi.txt** file:

```
# Xflight Technologies LLC – WiFi Config File
```

```
auto wlan0  
iface wlan0 inet dhcp
```

```
wpa-ssid name  
wpa-psk password
```

Replace **name** and **password** with your *WiFi SSID* and *password* and make any other authentication changes as may be required for your setup (note this is only compatible with 802.11n 2.4GHz systems (not 5GHz).

Note: Following WiFi parameter changes the Weather Station will need to be restarted **TWICE**.

METAR station setup:

1. Remove the mini-USB dongle from the side of the screen
2. Insert into a computer and wait for it to connect
3. Navigate to the Xflight directory and open the XF.txt file:

```
# Xflight Technologies LLC - Config File
```

```
# METAR / TAF STATIONS
```

```
Station1 = KDAB
```

```
Station2 = KDED
```

```
Station3 = KSFB
```

```
Station4 = KMCO
```

```
Station5 = EGLL
```

```
# Seconds between stations (min 30)
```

```
AutoDelay = 90
```

Replace *station IDs* and *AutoDelay* (minimum 30 seconds) parameters as required.

Station ID's can be checked at: <https://www.aviationweather.gov/metar/info>

Full file list: <https://www.aviationweather.gov/docs/metar/stations.txt>

Note: Following these parameter changes the Weather Station will need to be restarted.

c. Other Info:

Other files used by the system:

XF_Stations_GLOBAL.csv

Used for looking up airport name and location from station ID.

XF_SkyCodes.csv

Used for decoding the sky condition.

XF_WxDescriptors.csv

Used for decoding weather codes.

Note that the humidity value is derived from the temperature and dew point temperature using the Clausius-Clapeyron equation.

Appendix A.

Xflight Technologies LLC Terms, Conditions and Warranty

1. **PARTIES.** This Contract represents the terms and conditions of sale of Xflight Technologies Products by and between Xflight Technologies LLC, of 1982 State Rd 44, New Smyrna Beach, Florida 32168, USA ("Seller"), and Buyer ("Buyer").
2. **ITEMS PURCHASED.** Seller agrees to sell, and Buyer agrees to buy, one or more of the following products (the "Goods") in accordance with the terms and conditions of this Contract:

Products
Xflight Weather Station

3. **INTELLECTUAL PROPERTY.** Intellectual property created, made, or originated by the officers, employees, or contractors of Seller shall remain the sole and exclusive property of Seller. Any intellectual property associated with Goods, specifically the software, shall remain the property of Seller. Seller retains all rights to its pre-existing intellectual property and any intellectual property it creates in connection with the development and manufacturing of the Goods of this agreement. Parties agree that Seller will retain ownership of all rights in any invention and work product developed pursuant to the agreement and acknowledges that all materials created by the Seller pursuant to and related to the agreement belong to the Seller under United States intellectual property laws.
4. **WARRANTIES.** The Goods are sold on an "AS IS" basis. SELLER SHALL IN NO EVENT BE LIABLE FOR ANY INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES OF ANY NATURE, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES. Seller's liability, if any, for defective Goods, is limited to replacement, repair or refund of the defective Goods, at Seller's option for up to 30 days from date of purchase.
5. **PERSONAL USE.** Buyer agrees to limit the operation and use of purchased Goods to personal recreational use. Buyer agrees to not develop or resell Goods, its components, or documentation to another party without Seller's written authorization.
6. **PRODUCT RISKS.** Buyer acknowledges that the ownership and operation of Xflight products, including the subject Goods contemplated by this contract, comes with many unforeseeable risks and potential hazards. Buyer has reviewed the risks, safety hazards and recommendations provided by Seller in the User Guide. Buyer has considered these risks and represents himself as a consumer with a sophisticated understanding of aircraft operation and mechanics, vehicle physics, flying safety protocols, appropriate

weather conditions and the concepts underlying the Goods' design. Buyer accepts all foreseeable and unforeseeable risks associated with the ownership and operation of the Goods, components, and related equipment.

7. **INDEMNIFICATION.** Buyer shall defend, indemnify, and hold harmless Seller, including its officers and agents, from any and all actual or alleged claims, demands, causes of action, liability, loss, damage and/or injury (to property or persons, including without limitation wrongful death), associated with the ownership and operation of the Goods of this contract. This indemnity shall apply in all actions, whether brought by an individual or other entity, or imposed by a court of law or by administrative action of any federal, state, or local governmental body or agency, arising out of or incident to any acts, omissions, negligence, or willful misconduct of Buyer, its personnel, employees, agents, contractors, or volunteers in connection with or arising out of Buyer's actions. This indemnification applies to and includes, without limitation, the payment of all penalties, fines, judgments, awards, decrees, attorneys' fees, and related costs or expenses, and any reimbursements to Seller for all legal expenses and costs incurred by it.
8. **REMEDIES ON DEFAULT.** In addition to any and all other rights a party may have available according to law, if a party defaults by failing to substantially perform any provision, term or condition of this Contract (including without limitation the failure to make a monetary payment when due), the other party may terminate the Contract by providing written notice to the defaulting party. This notice shall describe with sufficient detail the nature of the default. The party receiving such notice shall have 30 days from the effective date of such notice to cure the default(s). Unless waived by a party providing notice, the failure to cure the default(s) within such time period shall result in the automatic termination of this Contract.
9. **ARBITRATION.** Any controversies or disputes arising out of or relating to this Contract shall be resolved by binding arbitration in accordance with the then-current Commercial Arbitration Rules of the American Arbitration Association. The parties shall select a mutually acceptable arbitrator knowledgeable about issues relating to the subject matter of this Contract. In the event the parties are unable to agree to such a selection, each party will select an arbitrator and the two arbitrators in turn shall select a third arbitrator, all three of whom shall preside jointly over the matter. The arbitration shall take place at a location that is reasonably centrally located between the parties, or otherwise mutually agreed upon by the parties. All documents, materials, and information in the possession of each party that are in any way relevant to the dispute shall be made available to the other party for review and copying no later than 30 days after the notice of arbitration is served. The arbitrator(s) shall not have the authority to modify any provision of this Contract or to award punitive damages. The arbitrator(s) shall have the power to issue mandatory orders and restraint orders in connection with the arbitration. The decision rendered by the arbitrator(s) shall be final and binding on the parties, and judgment may be entered in conformity with the decision in any court having jurisdiction. The agreement to arbitration shall be specifically enforceable under the prevailing arbitration law. During the continuance of any arbitration proceeding, the

parties shall continue to perform their respective obligations under this Contract.

10. **NOTICE.** Any notice or communication required or permitted under this Contract shall be sufficiently given if delivered in person or by certified mail, return receipt requested, to the addresses listed above or to such other address as one party may have furnished to the other in writing. The notice shall be deemed received when delivered or signed for, or on the third day after mailing if not signed for.
11. **ASSIGNMENT.** Neither party may assign or transfer this Contract without prior written consent of the other party, which consent shall not be unreasonably withheld.
12. **ENTIRE CONTRACT.** This Contract contains the entire agreement of the parties regarding the subject matter of this Contract, and there are no other promises or conditions in any other agreement whether oral or written. This Contract supersedes any prior written or oral agreements between the parties.
13. **SEVERABILITY.** If any provision of this Contract shall be held to be invalid or unenforceable for any reason, the remaining provisions shall continue to be valid and enforceable. If a court finds that any provision of this Contract is invalid or unenforceable, but that by limiting such provision it would become valid and enforceable, then such provision shall be deemed to be written, construed, and enforced as so limited.
14. **WAIVER OF CONTRACTUAL RIGHT.** The failure of either party to enforce any provision of this Contract shall not be construed as a waiver or limitation of that party's right to subsequently enforce and compel strict compliance with every provision of this Contract.
15. **APPLICABLE LAW.** This Contract shall be governed by the laws of the State of Florida in the USA.

EXCHANGE OF GOODS

The following provisions relate to the physical exchange of Goods and payment forming the transaction of this agreement.

16. **TITLE/RISK OF LOSS.** Title to and risk of loss of goods shall pass to the buyer upon delivery F.O.B. at the seller's place of home or business to an agent of the buyer including a common carrier, notwithstanding any prepayment or allowance of freight by the seller.
17. **INSPECTION.** Buyer, upon receiving possession of Goods, shall have a reasonable opportunity to inspect the Goods to determine if the Goods conform to the requirements of this Contract. If Buyer, in good faith, determines that all or a portion of the Goods are non-conforming, Buyer may return the Goods to Seller at Buyer's expense. Buyer agrees to securely mail the goods back to buyer with electronic tracking to the address listed above.
18. **PAYMENT.** Payment due shall be made to Xflight Technologies LLC by cash, bank transfer, credit card or PayPal prior to shipment of Goods. If an invoice is not paid when due, seller will not ship Goods to Buyer. In addition to any other right or remedy provided by law, if Buyer fails to pay for the Goods when due or reverses credit card charges after shipment of Goods, Seller has the option to treat such failure to pay as a material breach of this Contract and may cancel this Contract and/or seek legal remedies.
19. **PAYMENT OF TAXES.** Buyer agrees to pay all taxes of every description, country, federal, state, and municipal, that arise as a result of this sale, excluding income taxes.