CHART A NEW COURSE

Chart
A New Course
With the
Lasertrak
Portable
Trip Planning System

The Lasertrak FP100 System puts a wealth of planning information at your command. In your hotel room. In your cockpit. A small powerful machine, the FP100 System allows you to plan flight routes, get weather briefings, print out approach charts, and make any necessary calculations. With just a few keystrokes the FP100 will print sharp, distinct flight and weather charts. Portable. Rugged. Reliable.

Lasertrak utilizes compact digital disc technology to store a host of information. Among the data bases is Jeppesen's full U.S. terminal chart system — the LZ Service — a specially designed electronic portion of Jeppesen's Airway Manual Service.

Within seconds of power-up, the FP100 can produce terminal charts for airports in the selected Jeppesen coverages. Minutes later, you can have approaches, diagrams, taxi charts, SIDs, and STARs at your fingertips — charts you need for a successful trip.

Comprehensive chart revisions through disc replacement are a fourteen second process with the FP100. That's about half the time you took to read this page.

A Pilot's Dream

All in one. The Lasertrak FP100 combines a flight case, your terminal charts, flight planner, smart terminal, modem, acoustical coupler, and calculator in one small, powerful package. Jeppesen, with a legendary reputation for quality, reliability, and innovation, has agreed to offer the Lasertrak optical disc service to their own customers. Now you can get Jeppesen reliability with unmatched simplicity and convenience.

Plan a flight. Make a few simple entries, beginning with the ICAO airport code for your origin and destination. Then enter other appropriate information for the flight: route, altitude, times; enter as much or as little as you want. If you stored a canned route for a leg, Lasertrak will locate it. If there's a preferred route for the altitude and time of day you've selected, the FP100 will let you know. Press "PRINT" to calculate your IFR flight plan. You can file the flight plan too, once the FAA says, "go".

Get the weather. After you have entered the route of flight, connect the FP100 to a phone, and tell it to connect with the weather computer. The computer
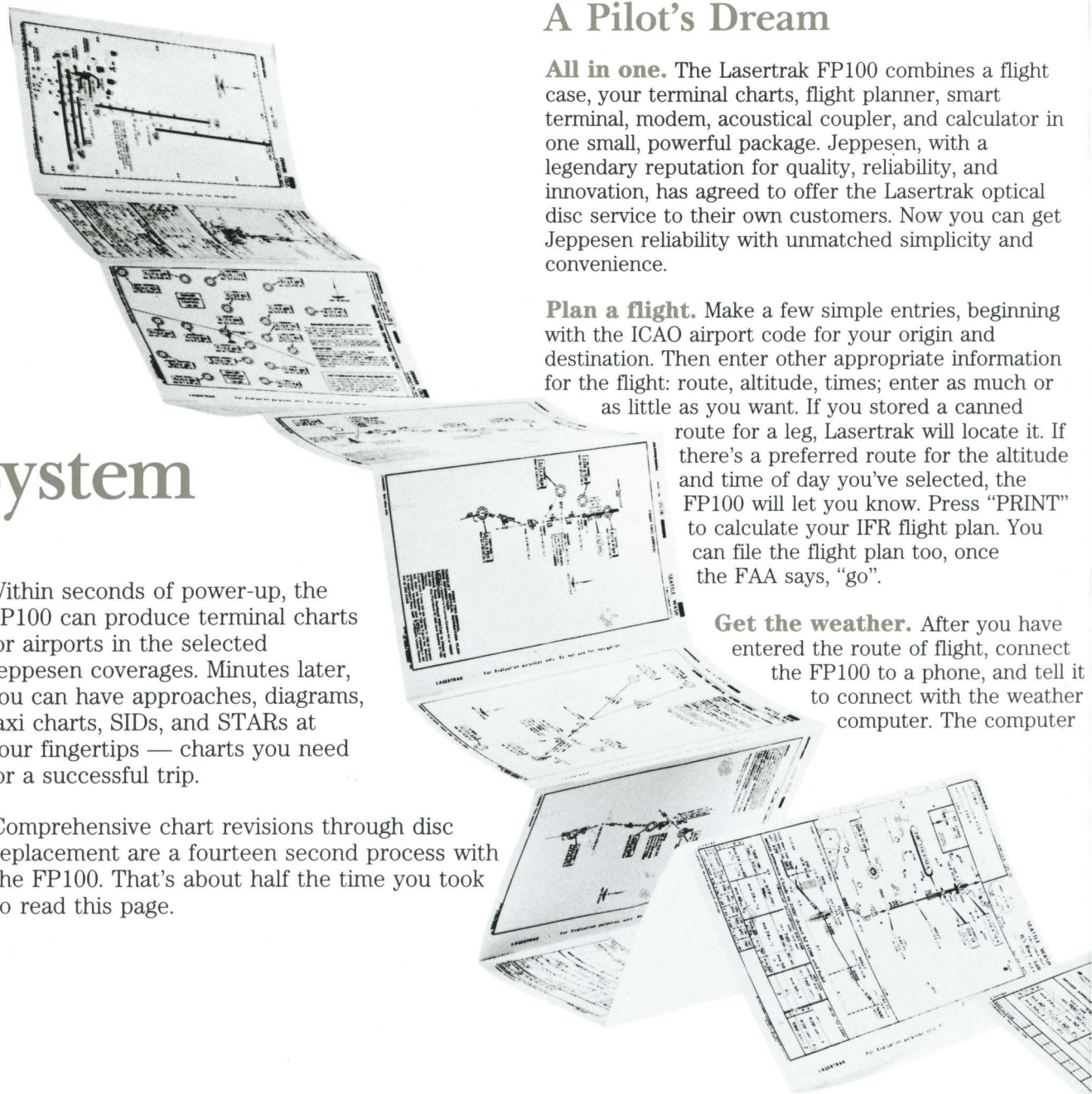
Exclusive Lasertrak FP100 Features

Mass storage. The heart of the FP100 is the compact optical disc which stores up to 540 million bytes of information. That's enough space for all of the charts in the world plus information directories, regulations, emergency medical procedures, and more.
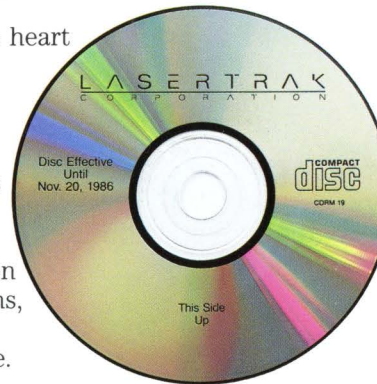
Speed. The FP100 will compute a flight plan in 1.5 minutes — block to block. And each chart is produced very quickly so you won't be sitting around waiting for Lasertrak to finish a trip kit. When you need a chart for reference back in the office, the FP100 can have it in your hand in less time than it would take you to even locate the correct book.

High resolution. All of this speed and power would be useless if your charts weren't readable. But the Jeppesen charts produced by the FP100 are superb. Every rating received from pilots flying with the system has stated that our chart quality is uniformly high.
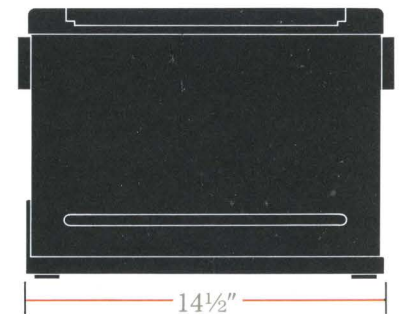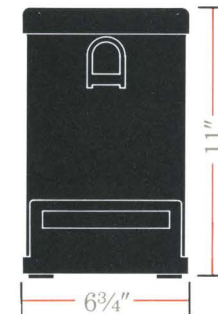
Simple to operate. Most people are not computer geniuses, and we don't feel they should have to be. That is why we designed the FP100 system to be very, very simple to operate. The user interface is intuitive.

help:ORIGIN
<<ICAO   LAT/LONG   NAMED WAYPOINT   R>>

Given a few minutes with the system, most pilots can get it to produce the right charts without any instruction at all (but don't worry, you'll get plenty of concise instruction in the form of help menus and a manual).

Weather from any location. The FP100 has an internal modem so you can connect the system to weather computers via a standard telephone jack at 300/1200bps. With this capability you can have on-line weather information from any location no matter how remote.

Specifications:

Size	11″ H × 14½″ L × 6¾″ W
Weight	20 lbs., fully operational
Keyboard	Typewriter layout with numeric pad
Display	Liquid Crystal, 2 lines, 40 char
Printer	Thermal, 240dpi
Modem	300/1200 bps
Processor	Motorola 68020
Memory	2MB RAM, 32K non volatile
Disc	540MB
Power	110-240V AC, 28V DC, Battery Option
Ports	RJ-11 & RS-232
Carrying Case	Optional, Cordura
Chart Wallet	Optional, Cordura

Comments From The Original Group Of Lasertrak Users

The best testimonies to any new system are those from pilots who have flown the equipment. Recorded below are just a few comments from the people who helped us refine The Lasertrak System in the early days. If you're impressed with this, you ought to hear them rave about it now!

We received this comment at a time when we were asking pilots to carry the Jeppesen Airway Manual as a backup:

"Clearance delivery included a SID which I couldn't find in my Airway Manual. Then I remembered we left it, along with some other charts, in our second aircraft. Using Lasertrak, we punched in the airport and had the SID we needed. It was great — no delay on takeoff."
Chief Pilot — Westwind

One enthusiastic customer obliged our request to use The System in some turbulence and to report on any problems:

"During this last ON period, I operated the box in flight and subjected it to printing while we were passing through and around a line of thunderstorms encountering moderate to severe turbulence. I noticed absolutely no difference in the print quality during this time."
Company President — Citation

We wanted to know how well the system would be received by corporate pilots:

"This system will be an absolute winner."
Captain — Gulfstream II

"There isn't a pilot in the country who will not want one of these boxes."
Chief Pilot — Lear 55

A department manager responded to a question concerning any operational improvements that Lasertrak would bring about:
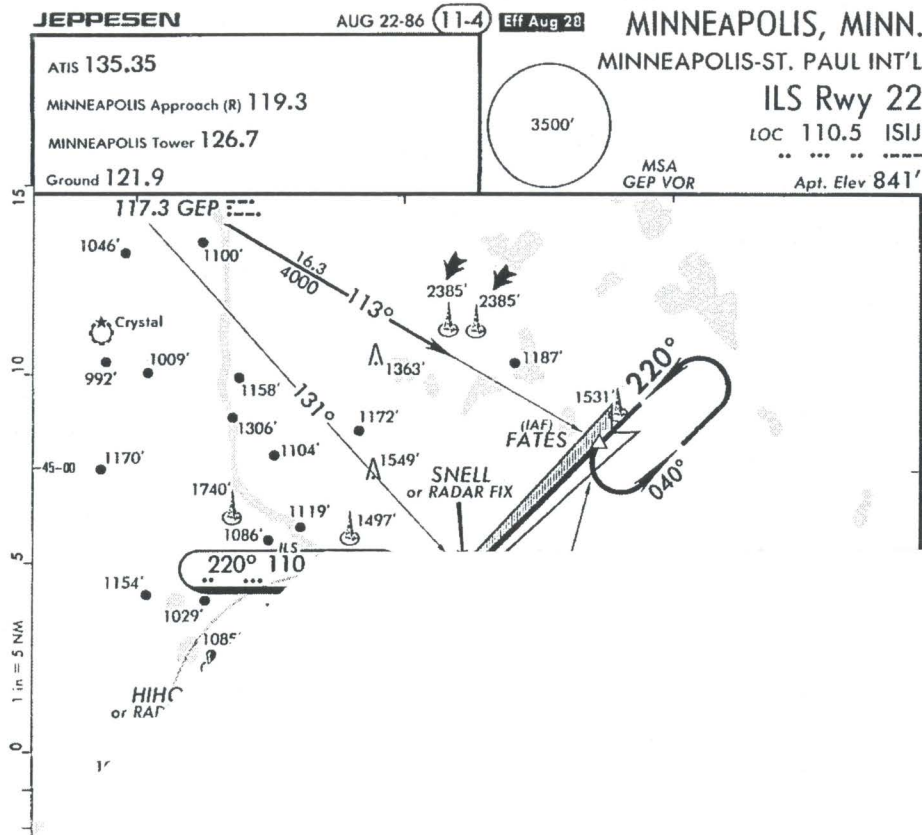
"One of the things I like most about the Lasertrak system is that I can require both Captain and Co Pilot to print the approach and put them on each yoke. This reduces the Co Pilot's scan and adds to safety."
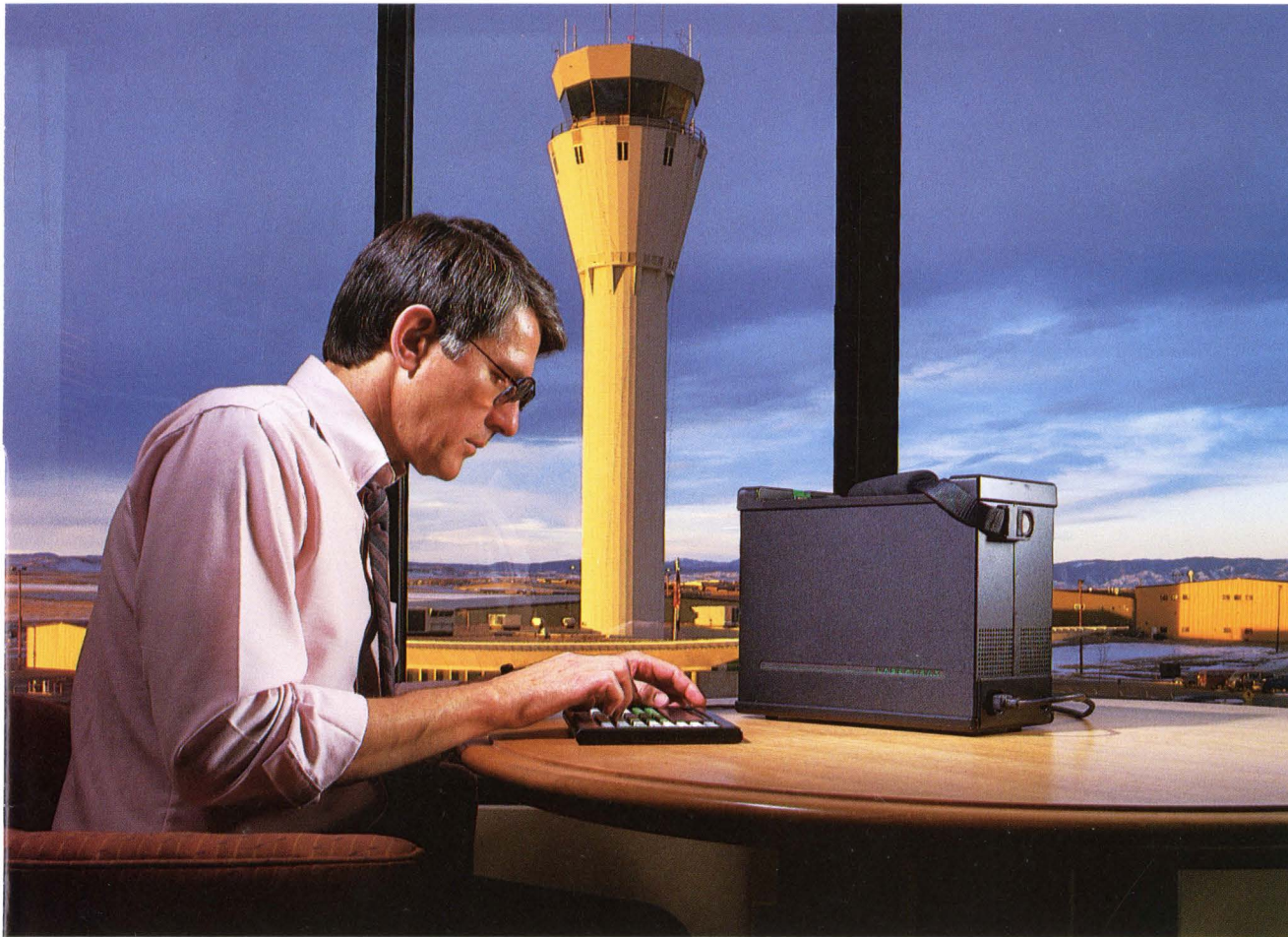**Department Manager — Multiple Jet Aircraft**

And on reliability and ruggedness:

"I'm sorry to say that I dropped the machine from the X-Ray conveyor at Hopkins. But I'm happy to say that when I turned it on later the system printed charts!"
Our president

JEPPESEN AUG 22-86 (11-4) Eff Aug 28 **MINNEAPOLIS, MINN.**
MINNEAPOLIS-ST. PAUL INT'L

ATIS 135.35
MINNEAPOLIS Approach (R) 119.3
MINNEAPOLIS Tower 126.7
Ground 121.9

3500'

ILS Rwy 22
LOC 110.5 ISIJ
•• ••• •• •----

MSA
GEP VOR
Apt. Elev 841'

117.3 GEP

Location Chart showing airports within a 30 nautical mile radius of that place.

Lat/Long List. If you key in a fix or a list of fixes, the system will display or print the associated lat/long.

Lasertrak speed – Jeppesen quality. With the Lasertrak FP100 and Jeppesen's LZ service you will receive thirteen optical discs per year. Every 28 days Lasertrak will mail you a new optical disc containing the latest revised terminal charts — over 8100 of them — for the full United States. Toss the old one away and insert the new disc into your Lasertrak System. That's all. Fourteen seconds — we timed it — for a complete nationwide revision.

Jeppesen will support the optical disc by mailing chart notams, briefing bulletins, and enroute charts. Then fourteen days after the optical disc revision, Jeppesen will send you a small packet of terminal charts depicting procedures which have been revised since the last disc was sent. The paper service will fit nicely into one binder. When you receive the next optical disc, throw the paper terminal chart revisions away. There is no simpler way of keeping your terminal charts updated.

Automated flight plan filing. Are you tired of waiting for a line into FSS, dreaming about a system that could dial the FAA and file your flight plan for you? The FP100 can compute your flight plan, file it, and get confirmation. We're just waiting for the FAA to finish the work required on their end to complete this dynamic system. As soon as installation of the required comm ports is completed on the FAA's computer, the Lasertrak FP100 will relieve you of yet another time consuming chore.

will dial automatically, get your Air-HI briefing (including appropriate charts and maps), and automatically log off. The information will then be printed immediately on its high resolution printer.

Produce a trip kit. When ready, instruct the system to produce your trip kit. This package of information will include

the terminal charts for your departure, destination, and alternate airports.

Produce individual charts. The FP100 locates charts by ICAO airport code. But it also allows you to key in a place name such as BUFFALO. Then it prompts through a selection process to locate the airport and terminal chart of your choice. If you choose, it will also do a search around a populated place name or lat/long and print an Airport

Calculator. How often during flight planning have you needed a calculator which lets you do more than one thing at a time? The FP100 trip planner automatically performs many calculations for you — distance, ETE, ETA, fuel burns, etc. But you may at any time direct the system to go into calculator mode to solve specific questions or problems. After receiving an answer, you can return to your previous program without losing your place or dumping any information you put in before.

STAR Chart

ILS Chart

Airport Chart

WSI SUPSAT Image

Lockheed Surface Weather Image

Airport Location Chart

Trip Confirmation Chart

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